Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

PROPOSED TEN-MILE CONCRETE ROAD IN PENNSYLVANIA

It is rather odd that Pennsylvania, the center of the portland cement industry, has practically no example of concrete road construction in its state highway system. The reason, however, is not far to seek. Since the institution of the State Highway Department there has been little or no money available for new construction. The state is very large, has many miles of road not naturally of the best materials, and has a large population, a great proportion of which own motor cars. Hence there has been a constant and insistent demand to keep all the highway system in good condition, leaving very little money, without the issuance of bonds, for building pavements of high first cost.

It has remained for the cement companies themselves to be the means of building a first-class concrete highway in Pennsylvania. Through the activity of the Hon. H. J. Steele, of Easton, Penn., the cement companies of the Lehigh Valley have agreed to contribute the cement for an 11 to 12 mile concrete pavement between Easton and Allentown, two famous homes of the portland cement industry. The State Highway Department has agreed to furnish the labor and supervision and it is expected the road will be completed during the present season.

Foremost in this work have been Col. H. C. Trexler, Pres. of the Lehigh Portland Cement Co., Allentown, and C. S. Brown, Pres. of the Alpha Portland Cement Co., Easton.

GRAIN ELEVATORS WANTED IN ARGENTINA

An inquiry has just been received by "Engineering News" asking American manufacturers to consider the construction of 60 to 80 grain elevators. Extracts from the letter, sent by A. U. Sassy, Calle San Martin 66, Buenos Aires, are as follows:

"I am negotiating at present a contract for some 60 or 80 grain elevators and would like to have you advise your friends who specialize in this line that they may bid on the job and with this object in mind I enclose a specification and data sheet, also sketch and plan of the style of elevator which I believe will fill the bill under the existing conditions. The plan has been drawn by a friend who has a very good knowledge of the conditons but he is not exactly an elevator expert and while I wish that the interested parties would be guided by his general ideas they are at liberty to improve upon the type and construction in any way they may see fit.

"As you may know, we cannot expect to buy locally any materials cheaper than they can be imported for and I shall be glad therefore to receive price on each type of elevator complete (that is including every thing down to nails and sundries) delivered c.i.f. Buenos Aires, mentioning gross and net weights also cubic measurements. I must call your attention to the fact that the information is most urgently wanted: in fact my securing the business will largely depend on how quick I get the data together and I shall esteem it a favor if you will please ask your friends to let me have bid with complete plans (outline and detail), sketches, data and specifications at the earliest possible moment. I would like to be advised as to their charges for sending down an expert to superintend the erecting and starting of the elevators.

"If I have not given all the information and data needed by your friends in order to get figures together kindly ask them to let me hear by cable and I will gladly give it to them.

"I may add that should the business be secured it would be financed, so far as the interested parties are concerned, through the local branch of the National City Bank and their Home Bank."

For those who desire further information a blue print and data sheet may be consulted at the office of "Engineering News," Tenth Ave. at 36th St., New York, N. Y.

RAILWAYS—STEAM AND ELECTRIC

Massachusetts—Bay State St. Ry.—This company has petitioned the Council for a franchise to extend its double tracks from Merrimac St., North Andover, over the new Shawsheen Bridge into Sutton St. R. S. Goff, Boston, is Gen. Mgr.

Massachusetts—Massachusetts Northeastern St. Ry.—The Council has granted this company a franchise to relocate its tracks on Main St. and also at the curves into White St. and to Kenoza Ave. Franklin Woodman, Haverhill, is Vice-Pres. and Gen. Mgr.

Massachusetts—New York, New Haven & Hartford R.R.—According to press reports this company contemplates electrifying its Tariffville and Midland divisions. Edward Gagel, New Haven, is Ch. Engr.

New York—Binghamton Ry.—The Public Service Commission has ordered this company to extend its line from its present terminus to Port Dickinson. H. Tracy Rogers, Binghamton, is Supt. and Pur. Agt.

✚**Pennsylvania**—Johnstown & Somerset Ry.—This company has awarded a contract to the J. A. VANDERGRIFT CO., Somerset, Penn., for the construction of an electric railway from Johnstown to Somerset and Rockwood, about 40 miles.

Pennsylvania—Scranton & Binghamton Ry.—This company plans to extend its lines from Foster to Brooklyn, about five miles. Richard W. Day, Scranton, is Gen. Mgr.

Pennsylvania—Lehigh Valley Transit Co.—This company will double track its line on Broad St., West Bethlehem, Penn. Thomas Gibson, Allentown, is Pur. Agt.

✚**Virginia**—Petersburg & James River Electric Ry.—This company has awarded the contract for the construction of its line from City Point to Petersburg, about 11 miles, to PERKINSON & FINN, Petersburg. Noted July 8.

✚**West Virginia**—(Official)—Kanawha, Glen Jean & Eastern R.R.—This company has awarded the contract to BOARD & DUFFIELD, 1010 Virginia St., Charleston, for constructing its Dun Loop branch. V. S. Veazey, Glen Jean, is Ch. Engr. Noted May 20.

North Carolina—Alamance, Durham & Orange Ry. & Electric Co.—H. G. Palmer & Co., Yorkville, Ill., has been retained as engineer by this company for the construction of its proposed line from Ossippee to Durham, N. C. Noted June 24.

North Carolina—Eastern Tennessee & Western North Carolina R.R.—This company plans to extend its line from Pineola to Boone, about 18 miles.

South Carolina—Southern Ry.—This company has issued $3,500,000 in bonds, the proceeds of which will be used for double-tracking its line from Spartanburg to Central, New Holland and Cornelia, S. C., about 76 miles. B. Herman, Washington, D. C., is Ch. Engr.

South Carolina—Augusta-Aiken Ry. & Electric Corporation—This company has increased its capital stock for the purpose of constructing an extension of its line from Aiken to Columbia, S. C., about 50 miles. R. W. Spofford, Augusta, Ga., is Gen. Supt. and Pur. Agt.

Georgia—Ocilla, Pinebloom & Valdosta Ry.—The Henderson Lumber Co. has purchased the properties of this company including an 11-mile railway in Coffee County. The new owner, it is reported, will extend the line from Lax to Ocilla, about 15 miles.

Georgia—Pelham & Havana R.R.—This company contemplates extending its line from Darsey to Havana, about five miles. J. M. Wilkinson, Valdosta, Ga., is Pres.

Florida—Florida East Coast Ry.—Plans are being considered by this company for the extension of its line from Okeechobee to West Palm Beach. E. B. Carter, Jacksonville, is Ch. Engr.

Kentucky—Evansville, Henderson & Owensboro Ry.—This company will ask the council for a twenty year franchise to operate its cars on the city streets. If granted the franchise it plans to construct interurban lines to Owensboro, Morganfield and Providence.

Illinois—East St. Louis & Suburban Ry.—This company has asked the council for a franchise to extend its lines in East St. Louis to 19th St. and Baker Ave. A. J. Purinton is Gen. Supt. and Pur. Agt.

Illinois—Kankakee & Urbana Traction Co.—Surveys are being made by this company for the extension of its line from Ludlow to Paxton. William I. Laffell, Urbana, is Gen. Mgr.

Illinois—Peoria & Chillicothe Ry.—This company has completed surveys on its line from Peoria to Chillicothe and plans to start work within a short time. Noted Mar. 11.

South Dakota—Mitchell St. Car & Interurban Ry.—This company has been incorporated to construct an electric railway in Mitchell, S. D. A. N. Hill, Mitchell, and D. N. Hill, Lake Hills, Iowa, are interested.

Missouri—Jefferson City Bridge & Transit Co.—This company, it is reported, will extend its electric railway from Jefferson City to Columbia, Mo. D. W. Snyder, Jr., Jefferson City, is Gen. Supt.

Missouri—St. Louis Ry. & Dock Co.—This company has been incorporated to construct a railway from the south bank of the Missouri River near Columbia Bottom Rd., and thence southward to the vicinity of Van Buren and Catalan St. in St. Louis, about 25 miles. H. F. Bell is interested.

Missouri—Springfield Traction Co.—Plans are being considered by this company to extend its State St. line from New to Fort St., Springfield. Charles H. Guskel, Springfield, is Gen. Mgr.

Texas—Beaumont, Liberty & Houston Traction Co.—Surveys have been made and preliminary arrangements are being made by this company for the construction of its proposed line to connect Beaumont, Anahuac and Houston. J. H. McCracken is Gen. Mgr.

Texas—The City Council has granted a franchise to F. W. Davis and A. B. Phillips for the construction of a railway through Texas City.

Texas—Artesian Belt R.R.—This company plans to extend its line from Christine to Crowther and Beeville, Tex., about 50 miles. J. O. Terrell, San Antonio, is interested.

Texas—Southwestern Ry.—This company has decided to extend its line from Henrietta, Tex., to Waurika, Okla., about 25 miles. A. C. Parks, Henrietta, is Vice-Pres. and Gen. Mgr.

Utah—Ogden, Logan & Idaho Ry.—This company will soon start construction on a new electric line from Ogden to Brigham City; also on a new line from Willard to Bingham City.

Washington—According to press reports the Port Commission will soon receive bids for the construction of a belt railway to connect all the port facilities on the waterfront. J. R. West is Ch. Engr. of Comn. Noted July 1.

California—Pacific Electric Ry.—This company has asked the council for a franchise to double track its line to San Pedro via Gadena. J. McMillan, Los Angeles, is Gen. Mgr.

California—The franchise for the extension of the Brooklyn Ave. line on Evergreen Ave. to the east of the city limits has been sold by the Council of Los Angeles to P. D. Sornelius, Pres., Malabar Dist. Improvement Association. The franchise will be turned over to the Los Angeles Ry. without charge so that the extension may be built. Howard Huntington, Los Angeles, is Vice-Pres. and Gen. Mgr.

New Brunswick—Moncton Tramways, Electric & Gas Co.—Arrangements are being made by this company for the extension of its line on Bonaccord St., Moncton, N. B. E. B. Reeser, Farmers Bank Bldg., Pittsburgh, Penn., is Vice-Pres. and Gen. Mgr.

✚**Alberta**—Edmonton, Dunvegan & British Columbia Ry.—This company has awarded a contract for constructing about 60 miles of its line through the Grande Prairie District to G. H. WEBSTER, 1316 Prospect Ave., Calgary. Noted June 10.

LIGHT, HEAT AND POWER

Barnet, Vt.—It is reported that D. L. Judkins plans to construct a new power house on the bank of the Stevens River.

✚**Saundersville, Mass.**—The contract for the construction of a brick boiler house for the Saunders Cotton Mill has been awarded to the J. W. BISHOP CO. The estimated cost is $4000.

West Newbury, Mass.—Press reports state that the Newburyport Gas & Electric Co. of Newburyport has applied for permission to erect a transmission line from Pipestave Hill to the Groveland line.

Lincoln, R. I.—(Central Falls post office)—The Connecticut Power Co., 50 Congress St., Boston, Mass., has been granted a permit by the Town Council for the construction of a distributing station on Hazel St. This station will have an output of 25,000 kw. which will be distributed in Pawtucket, Providence and other towns and cities in the Blackstone Valley.

Altmar, N. Y.—It is reported that the Pulaski Electric Light Co., of Pulaski, a subsidiary of the Salmon River Co., will soon start work on the extension of its transmission lines to Altmar.

La Fargeville, N. Y.—It is reported that the La Fargeville Electric-Light Co. has petitioned the Public Service Commission for permission to construct electric light plants in Theresa and Orleans.

Spencerport, N. Y.—Bids will be received until 8 p.m., July 26, by the Town Clerk for the installation of an electric-lighting system. Bonds for $16,000 have been sold for this purpose.

✚**Philadelphia, Penn.**—(Official)—The contract for the heating and plumbing equipment for the new school at 65th St. and Lime Kiln Pike, East Germantown, has been awarded to S. FAITH & CO., 2427 Pennsylvania Ave., Philadelphia, at $51,344; the contract for the electric work was awarded to J. F. BUCHANAN & CO., 1228 Race St., Philadelphia, at $15,134. See item under "Buildings."

✚**Philadelphia, Penn.**—The Board of Education has awarded the contract for the heating system in the school at Second, Pike and Sanger St. to S. FAITH & CO., 2427 Pennsylvania Ave., Philadelphia, at $9981. See item under "Buildings."

Shamokin, Penn.—It is reported that plans are being considered for the installation of an electric generating plant to supply electricity for the new high school building.

Salisbury, N. C.—It is reported that the Southern Power Co. will soon start work on the construction of a steel tower electric transmission line from Salisbury to Statesville.

✚**Spray, N. C.**—The contract for the construction of a 3000-hp. electric power plant for the Thread Mills Co. has been awarded to the GALLIVAN BUILDING CO., Greenville, S. C. Noted July 15.

Columbia, S. C.—Plans are being considered for the construction of a power plant, capable of developing 600 hp., at the State Hospital for Insane.

Oxford, Miss.—At a recent election the citizens voted in favor of issuing $6500 in bonds, the proceeds of which will be used to improve the electric-light plant.

Cuyahoga Falls, Ohio—It is reported that bids are being received by Ernest McGeorge, Engr., 855 Leader News Bldg., for the construction of a one-story, 40x60-ft., brick and steel power house for the Falls Rubber Co. Noted June 24.

Painesville, Ohio—Bids will soon be received by H. Whitford Jones, Engr., 1302 Citizens Bldg., Cleveland, for furnishing engines, generators and condensers for the municipal-electric light plant. Noted July 8.

Coldwater, Mich.—Press reports state that the Board of Public Works contemplates the purchase of a new 350-generating unit consisting of a 350-kw. generator and engine. K. E. Norton is Supt.

✚**Springfield, Ill.**—The Secretary of State has awarded the contract for the boilers for the new power plant at the State Capitol to the SPRINGFIELD BOILER & MFG. CO., Springfield, at $40,000. The Legislature recently appropriated $140,000 for the plant. Noted May 20.

La Crosse, Wis.—According to press reports the Wisconsin Minnesota Light & Power Co. plans to expend about $210,000 for the construction of new buildings and equipment. J. N. Moncreiff is Mgr.

✚**Wilton Junction, Iowa**—(Official)—The ELECTRIC CONSTRUCTION & MACHINERY CO., Rock Island, Ill., at $4328, has been awarded the contract for the construction of additions to the power plant.

Hallock, Minn.—Press reports state that the Council is considering the proposition of issuing $15,000 in bonds, the proceeds of which will be used for the installation of an electric-lighting system.

✚**Canton, Kan.**—The CHALLENGE CO., 1404 West 11th St., Kansas City, Mo., has been awarded the contract for one 30-hp. and one 40-hp. St. Mary's oil engine, one 25-kw., 2300-volt generator and switchboard to be installed in the new power house of the municipal electric light plant. W. D. Moore is Supt., Light and Water Dept. Noted July 15.

Everest, Kan.—At a recent election the citizens voted in favor of the question of issuing $8000 in bonds, the proceeds of which will be used for installing an electric light system.

✚**Broken Bow, Neb.**—The contract for the construction of a municipal electric-light plant has been awarded to the ALAMO ENGINE & SUPPLY CO., Omaha, Neb., at $6,000. R. M. Thompson is City Clk. Noted Apr. 1 and 22.

✚**Davenport, Neb.**—The ALAMO ENGINE & SUPPLY CO., Omaha, at $4606, has been awarded the contract for the installation of an electric-light plant. Noted June 17 and 24.

Hale, Mo.—Plans are being prepared and bids will soon be received for the construction of an electric-light plant. The estimated cost is $11,000. W. B. Rollins & Co., 439 Midland Bldg., Kansas City, is Engr.

Keytesville, Mo.—The Henrici, Kent & Lowry Engineering Co., Reserve Bank Bldg., Kansas City, has been engaged by R. W. Cropper to prepare plans and take charge of the engineering work for the construction of an electric-light plant in Keytesville.

Springfield, Mo.—The Board of Regents of the Fourth District Normal School is considering plans for the construction of a power house to furnish electricity for all the school buildings. John J. Schneider is Pres.

Austin, Tex.—The Superintendent of Public Buildings and Grounds has announced that about $100,000 will be spent in installing a power and heating plant in the State Capitol. Noted Mar. 25.

Ft. Worth, Tex.—Press reports state that if the Lone Star Gas Co. is successful in securing a lease of 9600 acres of natural gas lands belonging to the Osage Indian reservation in Oklahoma it will develop the property on an extensive scale and will lay a pipe line from the field to Dallas and other towns.

Mexia, Tex.—It is reported that the People's Gas Co., recently organized with a captial stock of $50,000, will supply the towns of this section with natural gas. N. B. Robinson is interested.

Muskogee, Okla.—The Greater Muskogee Association has appointed a committee of five local citizens to work out a project for building a dam across the Grand River between Muskogee and Ft. Gibson to generate hydro-electric power. Surveys have been made and plans are in the hands of the committee. The estimated cost is $750,000.

Holbrook, Ariz.—T. M. Quebedeaux and K. H. Myers have applied to the Board of Supervisors for a franchise to construct and operate an electric-light plant.

Seattle, Wash.—It is reported that the Puget Sound Light & Power Co. will expend about $30,000 for the construction of a new system.

Burns, Ore.—A resolution has been passed by the City Council authorizing the sale of $10,000 in bonds, the proceeds of which will be used for the construction of an electric-light plant.

Lindsay, Calif.—The Tulare Power Co., Visalia, Calif., plans to construct additions and make improvements to its plant.

Placerville, Calif.—The Western States Gas & Electric Co. plans to enlarge its hydro-electric plant. The estimated cost is $75,000. H. R. Bennett is Mgr.

Visalia, Calif.—It is reported that the Mount Whitney Power & Electric Co. has awarded the contracts for the construction of its fifth hydro-electric generating plant on the Kahweah River in the Sequoia National Forest. The new station will have an output of 10,000-hp. Estimated cost, $750,000. Noted June 17.

✚**Montreal, Que.**—The Board of Commissioners has awarded the contract for the construction of an electric system for the filtration plant to G. M. GEST, Power Bldg., at $6275. Noted June 10.

Brockville, Ont.—G. K. Dewey is interested in a project to construct an electric power line through Elizabethtown Township. The estimated cost is $25,000.

The Narrows, Man.—It is reported that the Town Council is considering the installation of a light and power system. The estimated cost is $50,000. H. H. Elliott is Clk.

✚**Winnipeg, Man.**—The contract for furnishing one 150-kw. motor generator and exciter set to be installed in the generating station at Point du Bois has been awarded to VICKERS, LTD., Montreal, Que., at $5244. Noted May 20.

BRIDGES

✚**Boston, Mass.**—John S. Merrill, Chn., Bridge Comn., has awarded the contract for constructing the Boston approach to the Spring St. Bridge to CLARK & GOVE, Boston, at $15,850. Noted May 20 and July 8.

Worcester, Mass.—(Official)—The Samuel H. Pitcher Co., Engr., Worcester, Mass., has been retained by the city to prepare plans and supervise the construction of the Lake Quinsigamond Bridge. The structure will be of reinforced-concrete with six arches, one 120-ft., two 70-ft. and three 60-ft., total length 850 ft. and width 60 ft. The State Legislature recently passed a bill authorizing an appropriation of $250,000 for this purpose, the cost to be borne by the city, county, town of Shrewsbury and the Worcester Consolidated St. Ry. Noted Feb. 5, 1914 and Apr. 29, 1915.

✚**Berlin, Conn.**—JAMES E. GOODRICH, Glastonbury, has been awarded the contract by the Highway Commissioners for the construction of a concrete bridge across the Sebeth River.

★**Bridgeport, Conn.**—(Official)—Bids will be received by the Board of Contracts and Supplies, City Hall, until noon, Aug. 7, for the construction of a reinforced-concrete girder bridge, with a double leaf bascule channel span and all substructures and approaches at Stratford Ave. Greiner & Whitman, Fidelity Bldg., Baltimore, Md., is Consult. Engr.

Derby, Conn.—It is reported that the construction of a concrete bridge over the Naugatuck River at Division St.

to replace the present structure is contemplated by the cities of Derby and Ansonia. The estimated cost is $10,000. V. B. Clark is City Engr.

Binghamton, N. Y.—An election will soon be held to vote on the question of issuing $30,000 in bonds, the proceeds of which will be used for the construction of a bridge on Noyse Island and one across Pierce Creek. J. A. Giles is City Engr.

New York, N. Y.—(Borough of Bronx)—It is reported that the Public Service Commission, 154 Nassau St., will probably call for bids some time in September for the construction of a bridge across the Bronx River at Westchester Ave. F. J. H. Kracke is Comr. of Bridges. Noted June 17 and 24.

★**Oswego, N. Y.**—(Official)—Bids will be received by E. A. Howard, County Supt. of Highways, until 10 a.m., July 31, for the construction of a reinforced-concrete arch bridge over the Oswego River at Minetto, N. Y. The Concrete-Steel Engineering Co., Park Row Bldg., New York, is Engr. Noted Apr. 8.

✚**Utica, N. Y.**—The Board of Contract and Supply has awarded the contract for the construction of a three-span reinforced-concrete bridge across the Mohawk River between Utica and Deerfield at North Genesee St. to WILLIAM F. COGLEY, Utica, at $59,158. Noted July 15.

New Brunswick, N. J.—(Official)—Bids were received by the Board of Chosen Freeholders of Middlesex County for the construction of a reinforced-concrete bridge over the South River on the South Amboy-New Brunswick Rd., as follows: A. Jelin, New Brunswick, $70,829; Long & Broadhurst, Hackensack, $87,706; McHarg-Barton Co., 171 Madison Ave., New York, N. Y., $76,683; General Contracting & Engineering Co., 29 Rector St., New York, N. Y., $66,714. A. B. Fox, Perth Amboy, is County Engr. Noted July 8.

Pine Brook, N. J.—(Official)—Bids were received by the Board of Chosen Freeholders of Morris and Essex Counties for rebuilding the bridge over the Passaic River at Pine Brook, as follows: Averill-Matthews Co., Clinton St., Newark, $39,860 (recommended for acceptance); Dover Boiler Works, $40,930; Foster Construction Co., $42,125; J. A. Hart & Co., $44,134; Long & Broadhurst, $44,887; Linde & Griffith, $42,210. Noted July 8.

Houtzdale, Penn.—(Official)—Bids will be received until July 29 by Charles Dickey, Secy. of Council, for the construction of a reinforced-concrete bridge 60 ft. long with a 20-ft. span. E. W. Hess, Clearfield, is Engr.

✚**Philadelphia, Penn.**—(Official)—M. L. Cooke, Dir. Dept. of Pub. Ser. has awarded contracts for the construction of three bridges as follows: Bridge at Fifth St. over North Pennsylvania R.R. to the BROWN-KING CONSTRUCTION CO., Philadelphia, at $59,940; bridge on line of Third St. over Philadelphia, Newtown and New York R.R. to THOMAS F. REILLY, Philadelphia, at $24,000; bridge on line of Fisher Ave. over North Pennsylvania R.R. to THOMAS F. REILLY, Philadelphia, at $22,000. Noted July 1.

✚**Elkridge, Md.**—O. E. Weller, Chn., State Rd. Comn., has awarded the contract for the construction of a bridge across the Patapsco River along the Baltimore and Washington Blvd. to A. J. BOYLE, Lanvale and Pulaski St., Baltimore, at $14,706. Noted June 10.

Norfolk, Va.—Plans are being prepared for the construction of viaducts at the eastern branch of the Elizabeth River at Lamberts Point for the Norfolk & Western Ry. The estimated cost is $50,000. J. E. Crawford is Ch. Engr.

Nottaway, Va.—(Official)—Bids will be received until noon, Aug. 2, at the Clerk's Office, Nottoway Court House, for the construction of a 203-ft. steel bridge with one 80-ft. steel span across the Nottoway River between Nottoway and Lunenburg Counties. G. P. Coleman, Richmond, Va., is State Highway Comr.

Portsmouth, Va.—It is reported that the Norfolk County Road Board will rebuild the Tanner's Creek Bridge on Jamestown Blvd. The estimated cost is $80,000.

Hinton, W. Va.—An election will be held in Summers County, Talcott District, Aug. 7 to vote on the question of issuing $30,000 in bonds, the proceeds of which will be used for the construction of bridges. J. M. Carden is Clk.

Snow Hill, N. C.—Press reports state that Greene County will construct a bridge across Contentnea Creek estimated to cost $20,000.

Greensboro, Ga.—It is reported that the citizens of Greene County defeated the bond issue of $50,000, the proceeds of which was to have been used for the construction and repair of bridges.

Springfield, Ga.—The Board of Commissioners of Effingham and Bulloch Counties will construct a bridge across the Ogeechee River. The estimated cost is $5000.

Bradentown, Fla.—An election will be held Aug. 10 to vote on the question of issuing $21,000 in bonds. The proceeds will be used for the construction of the unfinished contracts on the Ware Creek Bridge.

✚**Clearwater, Fla.**—The LUTEN BRIDGE CO., York, Penn., at $8000, has been awarded the contract for the construction of a bridge across the creek at the entrance to the grounds of the Belleview Hotel.

Kissimmee, Fla.—Press reports state that the city contemplates issuing bonds for the construction of a bridge across the head of the lake.

St. Francisville, La.—An expenditure of $25,000 has been authorized by the West Feliciana Parish Police Jury for the construction of bridges over Thompson's Creek, Tunica Bayou, Big Bayou Sara Creek, Little Bayou Sara Creek and Alexander's Creek. The bridge over Thompson's Creek will be built jointly by West and East Feliciana Parishes.

Walkerford, Tenn.—(Maynardville post office)—Press reports state that a bridge will be constructed across the Clinch River at Walkerford by Union and Claiborne Counties. The estimated cost is $10,000.

Lexington, Ky.—It is reported that the citizens of Fayette County contemplate holding an election to vote on the question of issuing $300,000 in bonds, the proceeds of which will be used for the construction of a bridge across the Kentucky River between Fayette and Madison Counties. F. A. Bullock is County Judge. Noted July 8.

Cincinnati, Ohio—Bids will be received until noon, July 26, by Philip Fosdick, Dir. of Pub. Ser., for the reconstruction of the existing bridge on Kirby Rd.

✚**Cincinnati, Ohio**—The contract for the construction of a bridge and culverts on Cameron Road has been awarded to J. J. FOLEY, Cleveland, at $4058. Noted June 10.

Dayton, Ohio—Plans for the construction of a railroad bridge across the Miami River at Dayton have been submitted by the Pennsylvania R.R. to the city authorities for their approval. The estimated cost is $260,000. J. C. Brand, Cincinnati, is Bridge Engr.

Mansfield, Ohio—Bids will be received until 10 a.m., July 28, by John A. Dalton, Audr., Clinton County, for the construction of the Orange St. Bridge. Charles L. Bushey is County Engr.

✚**Portsmouth, Ohio**—(Official)—The contract for the construction of the Lawson Run Viaduct over the tracks of the Norfolk & Western Ry. has been awarded to L. E. STURM, Columbus, at $120,405. C. F. Losh, Portsmouth, is Asst. Engr. Noted June 24 and July 15.

Warren, Ohio—The construction of a bridge across the Mahoning River at McDonald is contemplated by the County Commissioners, the Carnegie Steel Co. and the railroad companies.

✚**Youngstown, Ohio**—(Official)—The Board of Commissioners of Mahoning County has awarded the contract for repairing and rebuilding the pavement on the South Avenue Bridge, Youngstown, to COLUCCI BROS., Youngstown, at $5073. Noted July 1.

Crown Point, Ind.—Bids will be received by the County Commissioners until 1 p.m., Aug. 5, for the construction of a Scherzer rolling lift bridge and one concrete bridge. E. Simon is County Audr.

✚**Greensburg, Ind.**—The CENTRAL STATES BRIDGE CO., Indianapolis, at $8933, has been awarded the contract for the superstructure of a bridge over Sugar Creek, and the contract for the substructure of a bridge over Little Blue River, Union Township, has been awarded to the CRAIG CONSTRUCTION CO., Greensburg, at $5899.

Indianapolis, Ind.—The only bid received for the construction of two additional spans for the West Washington St. Bridge over the White River was that of the National Concrete Co., at $110,000. Noted July 23, 1914 and July 8, 1915.

Lebanon, Ind.—Bids will be received about Aug. 15 by the Commissioners of Boone County for the construction of ten bridges, some of reinforced concrete and some of pony truss steel span. D. M. Clark is Audr.

✚**Monticello, Ind.**—The County Commissioners have awarded the contract for the construction of six bridges to G. A. KELLENBURGER, Reynolds.

✚**Shelbyville, Ind.**—The CENTRAL STATES BRIDGE CO., Indianapolis, at $5893, has been awarded the contract for the construction of the superstructure of the McConnell Bridge.

Detroit, Mich.—At an election held July 9 the citizens voted against the question of issuing $2,000,000 in bonds, the proceeds of which was to have been used for the construction of the proposed new Belle Isle Bridge. Noted May 13 and June 17.

Bishop Hill, Ill.—Bids will be received until 3 p.m., July 27, at the Town Hall for the construction of the Falk Bridge. The bridge will be of reinforced-concrete with a 12-ft. span and a 24-ft. roadway. James H. Reed, Cambridge, is County Supt. of Highways.

✚**Nunda, Ill.**—(North Crystal Lake post office)—The contract for the construction of a bridge across the Fox River has been awarded to the JOHN J. O'HERON CONSTRUCTION CO., Chicago, at $16,000.

✚**Rockford, Ill.**—The contract for the construction of a concrete bridge over Keith Creek at Kishwaukee St. has been awarded to G. HOLM, Rockford, at $8878. Noted May 13 and June 24.

Green Bay, Wis.—Bids will soon be received for the construction of a Strauss Bascule Bridge over the East River at Main St. The estimated cost is $55,000. A. Braun is City Engr. Noted Mar. 4.

✚**Mosinee, Wis.**—The Village Board of Trustees has awarded the contract for the construction of a steel bridge, with concrete approaches, over the Wisconsin River to the WAUSAU IRON WORKS, Wausau, at $22,400.

Burlington, Iowa—At an election held June 30 the citizens voted in favor of issuing $200,000 in bonds, the proceeds of which will be used for the construction of a bridge across the Mississippi River at Burlington. Noted June 24.

✚**Austin, Minn.**—(Official)—The contract for the construction of one 50-ft. and one 40-ft. through-girder bridge to be built in the towns of Windom and Red Rock has been awarded to H. F. GARBIST, Austin, at $2250 and $1970 respectively. Other bidders were: Illinois Steel Bridge Co., $5170; Hennepin Bridge Co., $5270; Iowa Bridge Co., $4665; McClure Contracting Co., $6294. Noted July 8.

Ellinwood, Kan.—Plans are being prepared and bids will be received about Sept. 1 for the construction of a reinforced-concrete bridge with nine spans, 44 ft. each with a 24-ft. roadway. W. S. Gearhart, State Agricultural College, Manhattan, is State Engr.

Girard, Kan.—(Official)—Bids will be received until noon, Aug. 11, by the Board of County Commissioners, for five steel or reinforced-concrete bridges. The work will include the construction of three new bridges and the removing of two old ones to other locations. The estimated cost of the steel bridges is $7475 and the reinforced-concrete $9717. Noted July 8.

Hutchinson, Kan.—Press reports state that the County Commissioners have decided to construct two concrete bridges across the Arkansas River, one at Hutchinson and one at Nickerson.

✚Bismarck, N. D.—(Official)—The contract for the construction of seven reinforced-concrete culverts has been awarded to M. P. MOORE, Bismarck, at $11,200. P. E. Atkinson is County Engr. Noted July 1.

Ft. Yates, N. D.—Bids will be received until 2 p.m., Aug. 10, by the Commissioners of Sioux County for the construction of two steel span bridges. A. Colville is Audr.

✚Jamestown, N. D.—(Official)—The contract for the construction of reinforced-concrete culverts has been awarded to JARDINE & ANDERSON, Fargo. Noted July 1.

✚Marmath, N. D.—The contract for the construction of a bridge across the Little Missouri River at Marmath has been awarded to the SECURITY BRIDGE CO., at $11,243.

Bowling Green, Mo.—Bids will be received until July 28 by the Commissioners of Pike County for the construction of a 180-ft. bridge across Buffalo Creek. C. H. Harris is Highway Engr.

✚Kansas City, Mo.—(Official)—The Commissioners of Jackson County have awarded the contract for the construction of a concrete viaduct over the tracks of the Chicago & Alton R.R. at 15th St. to the J. W. McMURRAY CONSTRUCTION CO., Kansas City, at $24,312. Allen C. Southern is County Engr. Noted July 8.

St. Joseph, Mo.—An election will be held Sept. 7 to vote on the question of issuing $8000 in bonds, the proceds of which will be used for the construction of a bridge at Second and Atchison St., also on a bond issue of $5000 for the repair of viaducts.

✚Bryan, Tex.—The County Court has awarded the contract for the construction of a bridge over the Brazos River to AUSTIN BROS., Dallas, at $7500.

✚Pawnee, Okla.—The County Commissioners have awarded the contract for the construction of the Cimmaron River Bridge to the MIDLAND BRIDGE CO., Kansas City, Mo., at $17,249. Other bidders were: Missouri Bridge & Iron Co., St. Louis, Mo., $17,690; Canton Bridge Co., Kansas City, Mo., $17,495.

Tulsa, Okla.—Press reports state that the contract for the construction of the bridge across the Arkansas River connecting Tulsa with West Tulsa will be awarded about Sept. 1. The estimated cost is $200,000. Noted June 24.

Warrenton, Ore.—It is reported that the Spokane, Portland & Seattle Ry. has applied to the War Department for a permit to reconstruct a draw bridge over Skipanon Creek. A. M. Lupfer, Portland, is Ch. Engr.

Alameda, Calif.—Plans for the construction of a bridge at Webster St., estimated to cost about $700,000, are being considered. Frank Bartlett is interested.

Berkeley, Calif.—Bids will soon be received by the City Council for the construction of a reinforced-concrete bridge 106 ft. long and 40 ft. wide across Codornices Creek. A. G. Briggs is City Clk.

✚Hanford, Calif.—(Official)—The contract for the construction of a bridge across the Cross Creek has been awarded to S. G. SWARTT, Bakersfield, at $5284. Other bidders were: Walker Bros., $6269; Johnson Bros., $5637; Trewhitt-Shields Co., $5800. E. F. Pickerill is County Clk. Noted July 1.

✚Meriden, Calif.—The Northern Electric Co. has awarded the contract for the reconstruction of the bridge across the Sacramento River to the MISSOURI VALLEY BRIDGE CO., Leavenworth, Kan. The estimated cost is $80,000. Noted July 1.

✚Orange, Calif.—(Official)—The HOLLAND CONSTRUCTION CO., San Diego, at $7994, has been awarded the contract for the construction of a reinforced-concrete bridge across Santiago Creek on East Chapman Ave. Noted June 10.

Red Bluff, Calif.—It is reported that the Board of Supervisors of Tehama County has voted to readvertise for bids for the construction of three bridges, a 2200-ft. bridge across Sand Slough, a 450-ft. bridge across Samson Slough and a 600-ft. bridge across Payne Creek. Noted June 24 and July 15.

San Jose, Calif.—Bids will be received until 11 a.m., Aug. 2, by the Board of Supervisors of Santa Clara County for the construction of a reinforced-concrete bridge over Guadalupe Creek. Harry A. Pfister is Clk. of Bd.

✚San Luis Obispo, Calif.—The County Commissioners have awarded the contract for the construction of the Miles Station Bridge to GUTLEBEN BROS., New Call Bldg., San Francisco, at $21,700.

✚Darling, Ont.—The Canadian Pacific Ry. has awarded the contract for the construction of a bridge to the FOUNDATION CO., Montreal, Que. The estimated cost is $50,000.

WATER SUPPLY—IRRIGATION

Belchertown, Mass.—At a special election held July 12 the citizens voted against issuing $40,000 in bonds, the proceeds of which was to have been used for the construction of a water system. Noted May 20.

★Hartford, Conn.—(Official)—Plans are on file with "Engineering News" for the construction of the Richards Corner dam. Noted July 15.

Centerville, N. Y.—At a recent election the citizens voted in favor of issuing $25,000 in bonds, the proceeds of which will be used for the construction of a water system. C. H. Smith, Times-Press Bldg., Middletown, is Engr. and I. D. Wolf is Village Pres.

★Ilion, N. Y.—(Official)—Bids will be received until 9 a.m., Aug. 3, by the Board of Water Commissioners for laying 3½ miles of c.-i. pipe, constructing a concrete diverting dam, intake chamber and gate house. George O. Rasbach is Clk.

★New York, N. Y.—(Official)—Bids will be received until 11 a.m., Aug. 3, by the Board of Water Supply, Municipal Bldg., Manhattan, for making six borings through rock at the East shaft of the Hudson siphon under Contract 165.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 2 p.m., July 23, by William Williams, Comr. of Water Supply, Gas and Electricity, for laying water mains in various streets.

✚New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received July 12 by the Department of Water, Gas & Electricity for making alterations and improvements at the New Utrecht pumping station (a) for mason, steel roofing and carpenter work, (b) plumbing and gas fitting and (c) steam-heating work: J. J. HEARN CONSTRUCTION CO., 4 West 46th St., New York, at $10,362 (awarded contract for (a)); Smith & Triest, 65 Lawrence Ave., Brooklyn, (c) $1044; Nolan Watnik, 146 Dumont Ave., Brooklyn, (b) $1190. Noted July 1.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received July 14 by the Department of Water, Gas & Electricity for laying water mains in several streets as follows: Beaver Engineering Co., $48,176; L. D. Gregory, $[illegible]; Murphy Bros., $51,327; Knight & DiMicco, $53,682; Brady-Ostarsch Co., $47,934; James McAvoy, $44,985; Melrose Construction Co., $51,337.

✚Oswego, N. Y.—Contracts have been awarded to M. B. CRAWFORD & SON, Oswego, at $16,189, for furnishing c.-i. pipe and valves; RENSSELAER VALVE CO., Troy, at $1580, for valves and hydrants; CHARLES MILLER & SONS CO., Utica, at $1680, for pig lead and to VINCENT TESCIERO, Oswego, at $4832, for trenching. Noted June 24.

★Watervliet, N. Y.—(Official)—Bids will be received until 2:30 p.m., Aug. 16, by the Board of Water Commissioners, No. 1555 Broadway, Watervliet, for furnishing materials and constructing a complete municipal water system. Plans are on file with "Engineering News." Walter G. Clute is Pres., Bd. of Water Comn. Noted Apr. 22, 1914.

East Orange, N. J.—Bids will be received until 8 p.m., Aug. 9, by the City Council for the purchase of $125,000 in bonds, the proceeds of which will be used for constructing a water distributing system. L. E. Rowley is City Clk.

Gloucester, N. J.—All bids received June 25 for extensions to the water system have been rejected. J. F. Lenny is City Clk., and A. Blatchley, Drexel Bldg., Philadelphia, Penn., is Engr. Noted Apr. 15 and June 24.

Brownsville, Penn.—Plans have been prepared and submitted to the State Board of Health for the construction of a filtration plant in South Brownsville.

Cassandra, Penn.—According to press reports the citizens voted $8000 in bonds, the proceeds of which will be used for the construction of a water system.

★Mifflinburg, Penn.—(Official)—Bids will be received until 8 p.m., July 22, by the Borough Council for constructing a 500,000-gal. concrete reservoir. Alexander Potter, 50 Church St., New York, N. Y., is Consult. Engr. Noted May 20 and 27.

Ringtown, Penn.—According to press reports the Borough Council contemplates constructing a water system.

Seaford, Del.—According to press reports bonds for $20,000 have been voted by the citizens, the proceeds of which will be used for the construction of water and sewer systems.

✚Crownsville, Md.—(Waterbury post office)—The contract has been awarded by the Crownsville State Hospital to RIGGS, DISTLER & STRINGER, 25 Light St., Baltimore, at about $8000, for installing a water system.

✚St. Marys, W. Va.—(Official)—The contract has been awarded to FOREMAN & PUTNAM, Marietta, Ohio, at $6894, for constructing a concrete reservoir. Noted June 10.

Sheperdstown, W. Va.—Press reports state that a company is being formed to construct a water system in Sheperdstown.

★Warrenton, N. C.—(Official)—Bids will be received until 3 p.m., Aug. 10, by the Board of Commissioners and the Mayor for constructing water and sewer systems. Gilbert C. White, Charlotte, is Engr. Noted June 3 and 17.

Wilson, N. C.—Bonds for $400,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system and gas plant. Noted Feb. 25 and June 3.

Bamberg, S. C.—The city contemplates constructing a water system. The estimated cost is $10,000.

Cartersville, Ga.—(Official)—An election will be held Aug. 14 to vote on the question of issuing $5000 in bonds, the proceeds of which will be used for the construction of water mains. W. W. Danniel is City Engr.

Bradentown, Fla.—The election to vote on the question of issuing $10,000 in bonds for the construction of a well for the water system has been postponed until Aug. 10. Noted June 24.

✚Pensacola, Fla.—The contract has been awarded to F. M. BLOUNT CONSTRUCTION CO., Pensacola, at $12,842, for constructing a pumping station for the Water Department. Noted June 24.

Neshoba, Miss.—Bonds for $30,000 have been voted by the citizens, according to press reports, the proceeds of which will be used for the construction of water and sewer systems.

Amite, La.—The city contemplates constructing a water system. An election will probably be held to vote bonds. X. A. Kramer, Magnolia, Miss., is Engr.

Gretna, La.—Bonds for $50,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system to connect with the municipal water system in Algiers. Noted July 15.

Kaplan, La.—Bonds have been voted by the citizens, the proceeds of which will be used for the improvement of the water system.

Athens, Ohio—Plans are being prepared by Burgess & Long, Columbus, for the construction of a water system. The estimated cost is $40,000. Noted Dec. 4, 1913.

Attica, Ohio—At an election held July 12 the citizens voted in favor of issuing bonds for $10,000, the proceeds of which will be used for the installation of a filtration plant. Noted June 10 and 24.

★Cambridge, Ohio—(Official)—Bids will be received until noon, Aug. 5, by T. D. L. Lee, Dir. of Pub. Ser., for making improvements to the municipal water system. The W. J. Sherman Co., Toledo, is Engr.

Cincinnati, Ohio—Bids will be received until noon, July 26, by Edward P. Durr, Secy., Dept. of Pub. Safety, for constructing a high pressure fire system in Central Ave. and Sixth St.

East Youngstown, Ohio—An election will be held Aug. 11 to vote on the question of issuing $165,000 in bonds, the proceeds of which will be used for the construction of a water system. Noted Feb. 25.

Glendale, Ohio—At the November election the citizens will vote on the question of issuing $10,000 in bonds, the proceeds of which will be used for the improvement of the water system.

Marietta, Ohio—(Official)—Chester & Fleming, Pittsburgh, Penn., has been retained by J. W. Frye, Dir. of Pub. Service, to prepare a report on the different locations for a high level reservoir and the fitness of the present pumping machinery relative to its ability to deliver into the reservoir. Noted May 20.

Miamisburg, Ohio—(Official)—Bids will be received until noon, July 27, by the Trustees of Public Affairs for laying water mains.

+Sandusky, Ohio—The contract has been awarded to the MASSILLON IRON & STEEL CO., Massillon, for furnishing c.-i. pipe and specials.

West Park, Ohio—(Official)—Bids will be received until noon, Aug. 17, by Frederick Feuchter, Clk., for the purchase of $10,000 in bonds, the proceeds of which will be used for the extension and improvement of the water system.

Ladoga, Ind.—The city plans to install a municipal water system.

Miller, Ind.—The Town Board plans to issue $15,000 in bonds, the proceeds of which will be used for the construction of a water system. W. J. Fulton, Gary, is Engr.

Vanburen, Ind.—Bonds for $12,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water-works.

Versailles, Ind.—Bonds have been voted by the citizens, the proceeds of which will be used for the construction of a water system.

Menominee, Mich.—(Official)—The city has retained the W. J. Sherman Co., The Nasby, Toledo, Ohio, to prepare detailed estimates of the cost of the proposed municipal water system. Noted Dec. 24.

Frankfort, Ill.—Bids will be received until 7:30 p.m., July 29, by Max F. Haas, Pres., for constructing a water tank, tower and connections. The estimated cost is $5065.

Monticello, Ill.—Bids will be received until 10 a.m., July 28, by the City Council for making improvements to the water system. Noted Apr. 1.

Ellsworth, Wis.—Bids will be received until July 29 by C. B. Wood, Village Clk., for the construction of a water system. J. F. Druar, St. Paul, Minn., is Engr. The estimated cost is $7500. Noted June 10.

+Fond du Lac, Wis.—(Official)—The contract has been awarded to GEORGE A. MALLORY & CO., Kewanee, Ill., at $3190, for laying water mains. Noted June 24.

+Kohler, Wis.—The contract has been awarded to E. M. SCHREFLOW, Elgin, Ill., at $10,633, for constructing water and sewer systems. Noted June 10.

West Allis, Wis.—Bids will be received until noon, Aug. 6, by the Acting Board of Public Works for laying water mains and installing hydrants in seven streets. George Mahoney is City Clk. Noted Mar. 11.

Ogden, Iowa—Bids will be received until 8 p.m., July 30, by the Town Council for making extensions to the water system. About 18,006 ft. of 4-in. water mains will be laid.

Riverside, Iowa—(Official)—Bids will be received until Aug. 5 for constructing a water system we have been advised. Charles P. Chase, Clinton, is Engr. Noted July 15.

Solomon, Kan.—At a recent election the citizens voted against the question of issuing bonds, the proceeds of which was to have been used for the installation of a water system. G. M. Spaulding is City Clk. Noted May 6.

Ord, Neb.—Bids will be received until Aug. 13 by J. C. North, Mayor, and O. P. Conwell, City Clk., for the construction of a water-works. Bruce, Standeven & Boynton, Bee Bldg., Omaha, is Engr.

Anamoose, N. D.—Bonds for $10,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system. Noted June 10 and 24.

Wibaux, Mont.—Bids will be received until July 26, according to press reports, by the Town Clk, for constructing a water system. The estimated cost is $27,000. C. H. Green, Spokane, Wash., is Engr. Noted June 6 and July 1.

Canton, Mo.—The city plans to sell $14,000 in bonds, the proceeds of which will be used for the construction of a water system. L. H. Condit is Chn. Bd. of Pub. Wks.

Bixby, Okla.—An election will be held to vote on the question of issuing bonds for $26,000, the proceeds of which will be used for the construction of a water system.

St. Maries, Idaho—(Official)—An election will be held July 27 to vote on the question of issuing $37,000 in bonds, the proceeds of which will be used for the improvement of the water system. Charles R. Schulte is City Clk. Noted July 1.

Brigham City, Utah—Plans have been prepared for the construction of an irrigation system for the bench lands near Brigham City. A. K. Chatfield, Salt Lake City, is interested. Noted Apr. 29.

+Colfax, Wash.—The contract has been awarded to the UNITED STATES CAST IRON PIPE CO., Portland, Ore., at $54,386, for furnishing 2000 ft. of c.-i. pipe. Noted June 3.

Everett, Wash.—(Official)—An election will be held Aug. 24 to vote on the question of issuing $1,100,000 in bonds and $650,000 in bonds; the proceeds of the former will be used for the purchase of the present water system and the latter for the construction of a new water supply. Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., is Engr.

Pateros, Wash.—(Official)—Bids will be received until July 30 by the Town for constructing a water system. W. H. Noble is Engr. The estimated cost is $10,000.

Burns, Ore.—Bonds for $60,000 have been authorized by the City Council, the proceeds of which will be used for the construction of a water system. H. C. Levins is Mayor.

West Lima, Ore.—Bids will be received until July 29 by L. L. Porter, Secy., Water Comn., for constructing a water system. The work includes laying 12,000 ft. of 10-in. supply main, 30,000 ft. of 4-in. and 6-in. mains and a 2,000,000-gal. reservoir and standpipe.

+Modesto, Calif.—The contract for the construction of a concrete lined flume at Gasburg Gulch has been awarded by the Modesto Irrigation District to the TIBBITTS PACIFIC CO., San Francisco, at $54,950.

Moorpark, Calif.—The Moorpark Mutual Water Co. will issue bonds for $25,000, the proceeds of which will be used for the improvement and extension of the water system.

Guelph, Ont.—The City Council plans to lay water mains between Victoria Bridge and the pumping station. G. B. Ryan is Chn.

Canora, Sask.—The installation of a water system at an estimated cost of $17,700, is under consideration by the Council. Chipman & Power, Mail Bldg., Toronto, Ont., is Engr.

Revelstoke, B. C.—Plans are being prepared by the Riverside Water Co. for the installation of a new water-works. The estimated cost is $20,000.

Vancouver, B. C.—At a recent election the citizens voted against the question of issuing $230,000 in bonds, the proceeds of which was to have been used for a water system. Noted Mar. 5.

Vernon, B. C.—The construction of an auxiliary pumping plant for the water system is under consideration. D. G. Tate is Clk.

SEWERS

Boston, Mass.—Bids will be received until noon, July 26, by Edward F. Murphy, Comr. of Pub. Wks., for the construction of pipe sewers and drains in Dumas, Cygnet, Ascot and Lincoln St. and in Commonwealth Ave., Brighton.

Boston, Mass.—Bids will be received until 1:30 p.m., July 28, by the Metropolitan Water and Sewerage Board for the construction of sewers in Sections Nos. 105 and 106 of the high level sewer, South Metropolitan System, in Needham and Wellesley.

Danbury, Conn.—The only bid received for the construction of sewers in Crane, Osborne, Tamarack St. and in Ninth Ave. was that of Luke E. Sweeney, Danbury, at $11,839. Noted June 10.

+New Haven, Conn.—(Official)—The contract for the construction of the Whalley Ave. sewer has been awarded to DWYER & MANNIX, New Haven, at $81,002. Other bids were: Charles W. Blakesler & Sons, New Haven, $122,310; Thomas F. Maher, New Haven, $93,955; Antonio Lambo, Waterbury, $99,955; O'Neil Bros., Hartford, $96,770; Leonardo Suzio, Meriden, $87,054. Noted July 15.

+Binghamton, N. Y.—The contract for the construction of storm and sanitary sewers in West End and Cleveland Ave. and in Division St. has been awarded to GEORGE SERAFINI, Binghamton, at $4065.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received July 1 by Douglas Mathewson, Borough Pres., for the construction of sewers and appurtenances in Randall, Metcalf and Bronx River Ave., as follows: Anita Construction Co., $91,848; Rodgers & Haggerty, $80,805; H. E. Fox, $120,127; Melrose Construction Co., $109,294; Joseph L. Sigretto, $81,567; Hanover Contracting Co., $88,723; Briggs & McLaughlin, $95,308; Lawrence Contracting Co., $88,342; D. J. Duffy, $98,141; F. B. Smith, $99,454; Kingsbridge Contracting Co., $97,096; U. S. Drainage & Irrigation Co., $63,931; J. S. F. Frazer and V. D. Burchard, $80,757.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received July 1 by Douglas Mathewson, Borough Pres., for the construction of sewers and appurtenances as follows: (a) in Raymond, Olmstead and Benedict Ave., (b) in Herschell St. and Butler Plane; S. Amanna & Sullivan, (a) $11,866, (b) $4308; Marone & Burchard, (a) $12,294, (b) $5000; A. Mancini, (a) $14,370, (b) $5770; Briggs & McLaughlin, (a) $12,392, (b) $5997; Delson Contracting Co., (a) $11,628; Anita Construction Co., (a) $10,689, (b) $7316; Gasperini & De Blasio, (a) $10,471, (b) $5174; Estates Contracting Co., (a) $10,869; D. J. Donlin, (a) $11,652, (b) $4552; Joseph L. Sigretto, (a) $12,014, (b) $5107; Hanover Contracting Co., (a) $11,854; Dragonetti Bros., (b) $5000; M. DiMenna, (b) $4994; Charles E. Farrell, (b) $4622; DeMinna & DeBalsio, (b) $4585; Burnside Contracting Co., (b) $4592; Knight & DiMissa, (b) $5000.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received July 14 by L. H. Pounds, Borough Pres., for installing complete the mechanical plant at the 26th Ward Disposal Works at Hendrix St. and Vandalia Ave., as follows: F. J. Eisinger, $4873; Adams Britz Co., $4971; Stewart & Miller, $4747; North Eastern Construction Co., $4698; Reiss & O'Donovan, $5880.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received July 15 by Marcus M. Marks, Borough Pres., for the alteration and improvement to the sewer in 32nd St. from Broadway to Fifth Ave. from P. Reilly, $13,361; D. J. Donlin, $9894; J. J. Haidewen, $13,896; Lawrence Contracting Co., $17,687; Fitzgerald & Brennen, $20,347; P. J. Kearns, $7198; Kingsbridge Contracting Co., $9562.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., July 28, by Maurice E. Connolly, Borough Pres., for the construction of sewers and appurtenances in Cedar, Briggs (Park St.), Myrtle, Lantic Ave. and in the South Side of Atlantic Ave., Fourth Ward.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids were received July 13 for the construction of temporary sanitary sewers in Kissel, Castleton, Henderson Ave., and in Brighton Blvd. from J. E. Donovan, at $26,609, and Joseph Johnson Sons, at $20,907.

✚Perrysburg, N. Y.—The contract for the construction of a sewage-disposal plant has been awarded to GEORGE W. MOORE, Buffalo, at $5800. Noted June 10.

✚Rochester, N. Y.—The Board of Contract and Supplies has awarded the contract for the construction of sewers in Thurston, Gardiner and West St. to FRANK LACHINSA, at $17,363. Noted Apr. 15.

✚Syracuse, N. Y.—(Official)—Bids were received July 12 for the construction of the Huntley Sewer System No. 2 as follows: (a) reinforced concrete, (b) brick, (c) monolithic concrete, J. C. SCHRADE, Brooklyn, (a) $82,731 (awarded contract), (b) $117,657, (c) $104,714; Mondo Construction Co., Syracuse, (a) $84,305; Bonn & Marnell, Syracuse, (a) $85,516; Frank George, White Plains, (a) $85,921, (b) $101,802, (c) $97,245; Samuel Bonn, Syracuse, (a) $86,957; F. S. Sposato, Syracuse, (a) $92,100, (b) $105,988, (c) 103,327; Grant, Smith & Co. & Locher, Rome, (a) $92,165, (b) $118,651, (c) $103,276; Hookway Construction Co., Syracuse, (a) $95,152; Charles Ippolito, Orange, N. J., (a) $126,743, (b) $166,335, (c) $158,476. W. Thomas Wooley is City Engr. Noted July 1.

✚Avalon, N. J.—(Official)—The contract for the construction of approximately 14,000 ft. of 12- to 20-in. pipe sewers has been awarded to SUTTON & CORSON, Ocean City. Noted July 1.

✚Edgewater, N. J.—The contract for the construction of sewer outlet No. 10 has been awarded to EDWARD ENGLISH, Edgewater, at $36,678. Noted July 15.

Hackensack, N. J.—Bids will be received until 8:30 p.m., July 26, by the Borough Council for the construction of a sanitary sewer system under two contracts, Contract A, constructing approximately 11 miles of 8- to 20-in. lateral and trunk sewers, Contract B, constructing a sewage-disposal plant consisting of a circular two-story settling tank, sludge beds and cast iron outlet to the river. Noted Feb. 4.

Newark, N. J.—Bids will be received July 29 by the city for the construction of the Bound Creek and Frelinghuysen Ave. sewer. M. R. Sherrerd is Engr.

✚Orange, N. J.—The Orange City Commission has awarded the contract for the construction of storm sewers in Main St. to the FUSCO CONSTRUCTION CO., at $4100.

✚Philadelphia, Penn.—The contract for the enlargement and the relocation of the sewers in Buttonwood St. in connection with the Broad St. Subway work has been awarded to JOHN McMENANY, at $17,500. Noted July 1.

Govans, Md.—Ezra B. Whitman, Consult. Engr., 1319 Fidelity Bldg., Baltimore, has been retained by the Baltimore County Commissioners to prepare plans for the construction of a sewer system for Govans.

Huntington, W. Va.—Plans are being prepared by John Sanborn, City Engr., for the construction of sewers in the First and Second Wards. The estimated cost is $8000.

Warrenton, N. C.—Bids will be received until Aug. 10 by the city for the construction of approximately 7½ miles of 8- to 15-in. pipe sewers. J. W. Allen is Mayor and Gilbert C. White, Charlotte, is Engr. Noted June 3.

Hamburg, S. C.—(North Augusta post office)—The city contemplates holding an election to vote on the question of issuing $30,000 in bonds. The proceeds will be used for the construction of a sewer system.

Cartersville, Ga.—(Official)—An election will be held Aug. 14 instead of July 17 as was noted in the issue of July 1 to vote on the question of issuing $60,000 in bonds. The proceeds will be used for the construction of a sewer system. W. W. Daniel is City Engr. Noted July 1.

Greensboro, Ga.—The citizens of Greene County defeated a bond issue of $50,000, the proceeds of which was to have been used for the construction of sewers and for repairing bridges. Noted June 17.

Savannah, Ga.—An election will be held Oct. 12 to vote on the question of issuing $400,000 in bonds. The proceeds will be used for the construction of a storm water sewer system. E. R. Conant is Engr. Noted July 1.

St. Petersburg, Fla.—The City Commissioners contemplate issuing $146,000 in bonds. Part of the proceeds will be used for the construction of sewers.

Gulfport, Miss.—At a recent election the citizens defeated the question of issuing $5000 in bonds. The proceeds were to have been used for the construction of a sanitary sewer system. Noted May 20.

Neshoba, Miss.—See item under "Water Supply-Irrigation."

Amite, La.—Xavier A. Kramer, Engr., Magnolia, Miss., is preparing a report on the construction of a sewer system for Amite.

Cleveland, Tenn.—It is reported that bonds for $75,000 have been sold. The proceeds will be used for the construction of a sewer system. Noted June 24.

✚Memphis, Tenn.—The contract for the construction of the Bayou Gayaso outfall sewer from the North Memphis pumping station to the mouth of the Wolf River has been awarded to the KOEHLER BROS. FOWLER CONSTRUCTION CO., Memphis, at $23,682.

✚Brewster, Ohio—The contract for sewer construction has been awarded to the ROSS-COOK ENGINEERING CO., Akron, at $9267. Noted July 1.

Cheviot, Ohio—(Cincinnati post-office)—Bids will be received until noon, July 28, by Albert J. Reusing, Clk., for the construction of a trunk drain in Powells Track and in the Schlenker and Reubel property.

Cincinnati, Ohio—Bids will be received until noon, July 27, by Philip Fosdick, Dir. of Pub. Ser., for the construction of sewers in Observatory Pl., Seegar and Waverly Ave. and in Streng St.

Cincinnati, Ohio—Bids will be received until noon, July 30, by Philip Fosdick, Dir. of Pub. Ser., for the construction of sewers in Athens, Dunlap, Lossing, Randolph St. and in Broadwell, Crescent, Missouri and Duluth Ave.

Cincinnati, Ohio—Henkel & Sullivan submitted a bid at $11,212 for the construction of sewers in Seitz, Do[illegible] and Goethe St. from Sycamore to Alexander St. Noted J[illegible]

Cincinnati, Ohio—Bids were received July 12 by [illegible] Director of Public Service for the construction of the [illegible]ville District Sewer, Contract No. 3 as follows: (a) [illegible] (b) concrete, (c) reinforced-concrete, (d) segmental b[illegible] vitrified pipe and miscellaneous quantities, Enginee[illegible] mate, (a) $13,960, (b) $13,960, (c) $13,960, (d) $13,960, [illegible] 988; Thomas P. Strack, Cincinnati, (c) $17,661, (d) $17,[illegible] $41,894; Thomas Maloney, Cincinnati, (a) $14,320, (d) [illegible] (e) $49,264; Welling & Franz, Cincinnati, (d) $13,450, [illegible] 224; Thurber & Browning, Cincinnati, (a) $15,326, (b) [illegible] (d) $13,641, (e) $50,251. Noted July 8.

✚Lowellville, Ohio—The contract has been awarded to the TURNER-OLSEN CONTRACTING CO., Youngstown, at $6346 for the construction of sewers in District No. 2. Noted June 24.

✚Indianapolis, Ind.—The contract for the construction of sewers in various streets has been awarded to the COLUMBIA CONSTRUCTION CO.

Indianapolis, Ind.—The lowest bid received by the Board of Public Works for the construction of the overflow sewer in Maple Rd. was that of the Marion County Construction Co., Indianapolis, at $78,210.

Detroit, Mich.—The Supreme Court has approved a bond issue of $503,000, the proceeds of which will be used for the construction of sewers.

Aurora, Ill.—The City Council contemplates the construction of a sewer in the Arlington Heights addition estimated to cost $13,000. Myron Tarble is City Engr.

✚Berwyn, Ill.—The contract for the construction of sewers in Ogden Ave. and other streets west of Oak Park Ave. has been awarded to CHARLES M. PORTER CO., Chicago, at $18,685. Noted May 13.

✚Cicero, Ill.—The contract has been awarded to CHARLES M. PORTER CO., Chicago, at $4461, for the construction of sewers in West 15th St., South 61st and South 62nd Ave. and other streets. Noted July 8.

✚Gibson City, Ill.—The contract for sewer construction has been awarded to HENRY REES, Quincy, at $33,422.

Glencoe, Ill.—Bids will be received until 8 p.m., Aug. 3 for the construction of a sanitary sewer system. The estimated cost is $5000. Windes & Marsh, Winnetka, is Engr.

Joliet, Ill.—Bids will be received about Aug. 1 for the construction of the Third Ward sewer system. The estimated cost is $69,470. C. O'Callahan is City Engr. Noted Apr. 8.

✚Peoria, Ill.—(Official)—The contract for the construction of the South End Sewer, East Section, has been awarded to E. R. HARDING CO., Racine, at $202,824. Other bids were: J. B. Sheets, Pittsburgh, Penn., $208,353; Foulkes Construction Co., Terre Haute, Ind., $217,023; Cedar Rapids Construction Co., Cedar Rapids, Iowa, $221,983; Public Service Construction Co., Omaha, Neb., $251,332. Noted July 1.

✚Algoma, Wis.—The contract has been awarded to GRAY-ROBINSON CO., Manitowoc, at $6947, for the construction of a sewer in Dodge St.

Beaver Dam, Wis.—Bids will be received until 7:30 p.m., Aug. 2, by the Board of Public Works for the construction of sewers in various streets.

Green Bay, Wis.—Bids will be received until 10 a.m., July 27, by L. Findeisen for the construction of sewers in various streets.

✚Kohler, Wis.—(Official)—The contract for the construction of sanitary sewer and storm drainage systems has been awarded to E. M. SCHEFLOW, Elgin, Ill., at $10,633. Noted June 24.

✚Milwaukee, Wis.—The Department of Public Works has awarded contracts for sanitary sewer construction to GEORGE ZIMMERMAN, Seventh Ave. sewer, $7133, Manitoba Ave. sewer, $2115, First Ave. sewer, $13,833, Pennsylvania Ave. sewer, $2021, and Ninth Ave. sewer, $1735.

✚Watertown, Wis.—(Official)—The contract for the construction of a sewer in Nashotah St. and through private property to the river has been awarded to E. L. BARTLETT, Watertown, at $6550. Noted July 15.

West Allis, Wis.—Bids will be received until noon, Aug. 6, by the Acting Department of Public Works for the construction of sewers in various streets. E. G. Orbert is City Engr.

Clinton, Iowa—Bids will be received early in Aug. for the construction of a sewer system in District No. 3. J. G. Thorne is City Engr.

Ogden, Iowa—(Official)—Bids will be received about Aug. 24 by D. Sickler, Mayor, for the construction of a sewer system and a sewage-disposal plant. The estimated cost is $45,000. R. B. Reasoner, Perry, is Engr.-in-Charge. Noted July 8.

Primghar, Iowa—Plans are being prepared for the construction of a sewer system. Bruce, Standeven & Boynton, 430 Bee Bldg., Omaha, Neb., is Engr.

Breckenridge, Minn.—(Official)—At a recent election the citizens defeated the question of issuing $18,000 in bonds. The proceeds were to be used for the construction of a sewer system. Noted July 15.

✚Rochester, Minn.—(Official)—The contract has been awarded to W. C. FRASER, St. Paul, at $5728, for the construction of sewers Noted July 8.

Sandstone, Minn.—Bids will be received until July 26 by C. Rudsuhle, Village Recdr., for the construction of approximately 9025 ft. of 8- and 6-in. sewers.

St. Paul, Minn.—Bids will be received until 10:30 a.m., July 26, by August Hohenstein, Pur. Agt., for the construction of storm and sanitary sewers in various streets to be included in part of the Snelling-Como sewer system. Noted June 3.

Manhattan, Kan.—Plans are being prepared for the construction sewers in Districts Nos. 3, 4 and 5, consisting of approximately six miles of sewers. F. Walters is City Engr. and C. F. Gist is City Clk.

Mitchell, S. D.—Bids will be received until Aug. 2 by Thomas Eastcott, City Audr., for the construction of sewers in various streets.

✚Choteau, Mont.—(Official)—The contract for the construction of sanitary sewers has been awarded to the TWO MIRACLE CONCRETE CORPORATION, Kalispell, at $10,824. Other bids were: F. E. Evans, Great Falls, $11,501; G. H. Nash & Co., Missoula, $10,830; Geo. H. Kemper, Minot, N. D., $10,832; Wilson & Smith, Great Falls, $11,819; Lindstrom & Oren, Billings, $12,936. Noted July 8.

Wibaux, Mont.—Bids will be received until July 26 for the construction of a sewer system. The estimated cost is $13,000. R. Quamme is City Clk. Noted June 3.

St. Joseph, Mo.—An election will be held Sept. 7 to vote on the question of issuing $650,000 in bonds. The proceeds will be used for the extension of the sewer system. Noted July 15.

Springfield, Mo.—An election will be held Aug. 2 to vote on the question of issuing $50,000 in bonds. The proceeds will be used for the construction of sewers and repairing the old sewers. Noted June 17.

Austin, Tex.—The City Commission has appropriated $5250 for the purchase of a site for the construction of a sewage-disposal plant estimated to cost $75,000.

Beeville, Tex.—At a recent election the citizens voted to issue $15,000 in bonds. The proceeds will be used for the construction of approximately 26,000 ft. of sewer extensions. Noted June 24.

San Antonio, Tex.—An election will soon be held to vote on the question of issuing $500,000 in bonds. The proceeds will be used for the construction of storm and sanitary sewers systems.

West, Tex.—At a recent election the citizens voted to issue $12,000 in bonds. The proceeds will be used for the construction of a sewer system. Noted June 24.

Muskogee, Okla.—The City Commissioners contemplate the construction of the North Mill St. sewer. The estimated cost is $23,000.

Sand Springs, Okla.—The city contemplates the construction of approximately 1½ miles of main sewers.

Salt Lake City, Utah—(Official)—Bids will be received until Aug. 4 by Karl A. Scheid, City Recdr., for the construction of the main trunk sewer. The estimated cost is $300,000. S. Q. Cannon is City Engr. Noted July 8.

Port Angeles, Wash.—All bids received for the construction of the Francis St. sewer have been rejected. New bids will be received.

Burns, Ore.—The City Council has authorized a bond issue of $40,000, the proceeds of which will be used for the construction of a sewer system. H. C. Levins is Mayor.

Portland, Ore.—The City Council contemplates the construction of an intercepting trunk sewer in South Portland. The estimated cost is $16,000.

Compton, Calif.—At a recent election the citizens voted to issue $70,000 in bonds. The proceeds will be used for the construction of a municipal sewer system. Olmsted & Gillen, Hollingsworth Bldg., Los Angeles, is Consult. Engr.

Los Angeles, Calif.—The city contemplates the construction of sewers in various streets.

Sacramento, Calif.—Bonds for $106,000 have been sold, part of the proceeds of which will be used for the construction of sewers.

San Bruno, Calif.—See item under "Streets and Roads."

San Francisco, Calif.—The Board of City Supervisors have appropriated $65,000 for the construction of sewers in Fifth St. Noted June 3.

San Francisco, Calif.—A. L. Meyerstein contemplates the construction of a concrete sewer large enough to be a part of the main outlet for storm sewers through his residence north of Portola Drive. The estimated cost is $16,000.

✚Stockton, Calif.—The contract for the construction of lateral and branch sewers in Sonoma, Mendocino, Mariposa and Monterey St. has been awarded to W. J. TOBIN, Oakland, at $5587. Noted Apr. 29.

Berlin, Ont.—A tentative report has been submitted by Willis Chipman, Toronto, for the construction of a new septic tank, extension of a sewage-disposal plant and additonal filtration beds. The estimated cost is $55,000.

The Narrows, Man.—The city contemplates the construction of sewer and water works systems. The estimated cost is $80,000. H. H. Elliott is Clk.

GARBAGE

Glen Ridge, N. J.—The construction of a garbage disposal plant is under consideration by the Town Council. L. H. Davey is interested.

Nutley, N. J.—The Board of Health plans to install an incinerator for the disposal of refuse and garbage.

Union, N. J.—(Weehawken post office)—Bids were received as follows, July 6, by the Town Council for collecting and removing ashes and garbage: (a) one year; (b) two years; (c) three years; (d) four years; (e) five years: Clinton Contracting Co., (a) $5400, (b) $11,200, (c) $17,400, (d) $24,000, (e) $31,000; Otto Roman, (a) $5800, (b) $11,600, (c) $17,400, (d) 23,200, (e) $29,000; Michael Volpi, (a) $5500, (b) $11,000, (c) $16,500, (d) $22,000, (e) $27,000; John Muller, (a) $4900, (b) $9850, (c) $14,860, (d) $19,900, (e) $25,000; Nicholas Triano, (a) $5800 for each year, or $29,000 for five years. Noted July 1.

✚West Hoboken, N. J.—Bids were received as follows, June 30, for removing garbage and ashes for periods of one, three and five years: (a) one year; (b) three years; (c) five years: CLINTON CONTRACTING CO., West Hoboken, (a) $9000, (b) $27,300, (c) $46,000 (awarded contract); A. C. Aschoff, (a) $9500, (b) $30,500, (c) $52,500; Michael Volpi, (a) $9545, (b) $28,725, (c) $48,995; F. D. Amato, (a) $9825, (b) $29,100, (c) $48,000; Tony Capone, (a) $9985, (b) $29,555, (c) $49,925; P. Peluso, (a) $11,000, (b) $34,934, (c) $60,981. Noted June 24.

Farrell, Penn.—At a recent election the citizens voted in favor of issuing bonds for $50,000, part of the proceeds of which will be used for the construction of a garbage incinerator.

★Detroit, Mich.—Bids were received June 24 by the Department of Public Works for constructing a garbage reduction plant as follows: F. H. Goddard, Inc., Detroit, $180,788; H. L. Van der Horst, Kalamazoo, $184,000; George D. Nutt Co., $185,740; C. A. Fuller Co., $186,433; John H. Parker Co., $194,877; Corrick Bros., $201,000. Noted June 3.

Kingston, Ont.—An incinerator will be constructed. Bonds for $7000 have been voted for this purpose. R. J. McClelland is Engr. Noted Feb. 4.

STREETS AND ROADS

✚Boston, Mass.—The contract for constructing 8000 lin.ft. of state road in Amherst has been awarded to the LANE CONSTRUCTION CO., Quincy, at $19,455.

Boston, Mass.—Bids will be received until July 27 by the State Highway Commission for the construction of 4600 lin.ft. of road in Andover. Arthur W. Dean, 15 Ashburton Pl., is Chf. Engr.

✚Boston, Mass.—The contract for building a bituminous macadam roadway in Pelton St. from Park St. to West Roxbury Parkway, West Roxbury, has been awarded to the CHARLES J. JACOBS CO.

✚Boston, Mass.—The contract for paving Lingard St. from Magnolia to Hartford St., Dorchester, with bitulithic has been awarded to JAMES DOHERTY, at $4731.

Boston, Mass.—(Official)—Bids will be received until noon, July 23, by E. F. Murphy, Comr. Pub. Wks., for improving Poplar St. from Sycamore St. to Brown Ave. and Hilburn St.

★Holyoke, Mass.—(Official)—Bids will be received until 2 p.m., July 23, by the Board of Public Works for approximately 1500 sq.yd. of prepared wooden paving blocks.

Whately, Mass.—Bids will be received until July 23 by the Board of Selectmen for constructing 3300 lin.ft. of macadam road. M. L. Crafts is Chn. of Selectmen.

✚Hartford, Conn.—Contracts for state road work have been awarded by the State Highway Commissioner as follows: Glastonbury Township, about 6500 lin.ft. 2-in. bituminous macadam on the Hartford-New London Turnpike, to A. E. DOUGLASS, Glastonbury, at $8289. Bethel Township, about 6315 lin.ft. gravel on the Bridgeport-Newton Turnpike, to the KELLOGG & GREGORY CO., Danbury, at $8803. Canterbury Township, about 5100 lin.ft. native stone and 1995 lin.ft. native stone resurfacing on the Westminster Rd., to the GOODMAN & TRUMBULL CO., Litchfield, at $8153. Sprague Township, about 1630 lin.ft. gravel on the Versailles Rd., to FRANK A. WILCOX, Norwich, at $1094. Noted July 1 and 15.

★Meriden, Conn.—(Official)—Bids will be received until 8 p.m., July 27, by the Board of Public Works for paving Hanover St. with wood block and reinforced-concrete pavements.

✚Providence, R. I.—(Official)—Contracts for paving Fountain and Empire St. with wood block have been awarded to the FRANKLIN CONTRACTING CO., 52 Vandervilt Ave., New York, at $11,398 and $16,465 respectively. Noted July 8.

✚★Albany, N. Y.—(Official)—Bids were received July 15 by the State Highway Commissioner for constructing roads in various counties as follows:

Road No. 1240, Broome County, 0.9 mile. FITCH & DOUGLAS, Rochester, $43,212 (awarded contract); Frank Stento, Binghamton, $43,870; Tyne & Willey, Binghamton, $45,095; William C. Evans, Ambler, Penn., $45,101; George Serofini and M. Barber, Binghamton, $46,970.

Road No. 5265-A, Cattaraugus County, 0.93 mile. THOMAS FITZGERALD CO., Fredonia, $47,994 (awarded contract); H. E. Bunce, Olean, $51,056; South Shore Construction Co., Inc., Erie, Penn., $52,329; William C. Evans, Ambler, Penn., $52,359; C. H. Kaumeir, Buffalo, $56,288.

Road No. 1012-A, Chautauqua County, 1.51 miles. DUNKIRK CONSTRUCTION CO., Dunkirk, $19,760 (awarded contract); Woolsey Construction Co., Poughkeepsie, Penn., $19,830; William C. Evans, Ambler, Penn., $20,592; Shaw & Lakin, Jamestown, $20,744; South Shore Construction Co. Inc., Erie, Penn., $21,227; O. M. Severson, Erie, Penn., $21,622.

Road No. 1296, Chautauqua County, 0.77 mile. WILLIAM C. EVANS, Ambler, Penn., $11,982 (awarded contract); Dunkirk Construction Co., Dunkirk, $11,996; Elmer M. Love & Sons, Corry, Penn., $12,144.

Road No. 1297, Chautauqua County, 3.55 miles. JOHN F. DOLAN CONTRACTING CO., New York, $72,537 (awarded contract); William C. Evans, Ambler, Penn., $73,814; Dunkirk Construction Co., Dunkirk, $74,154; O. M. Severson, Erie, Penn., $74,416; South Shore Construction Co. Inc., Erie, Penn., $75,951.

Road No. 1298, Chautauqua County, 0.93 mile. WILLIAM C. EVANS, Ambler, Penn., $21,875 (awarded contract); Dunkirk Construction Co., Dunkirk, $21,943; O. M. Severson, Erie, Penn., $22,167; South Shore Construction Co. Inc., Erie, Penn., $22,752; Shaw & Lakin, Jamestown, Penn., $23,034.

Road No. 5566, Cortland County, 0.23 mile. S. P. HULL, Cortland, $2318 (awarded contract); Richard Hopkins, Troy, N. Y., $2498.

Road No. 1289, Erie County, 0.34 mile. Busch & Percival, Buffalo, $16,601; Rich Construction Co., Inc., East Aurora, $17,627. Award withheld.

Road No. 5550, Erie County, 0.59 mile. Busch & Percival, Buffalo, $28,459; William C. Evans, Ambler, Penn., $28,789; Rich Construction Co., Inc., East Aurora, $30,230. Award withheld.

Road No. 619, Fulton County, 2.12 miles. BRADY-OLTARSH CONSTRUCTION CO. INC., New York, $20,237 (awarded contract); Clarence Welsh & Co., Gloversville, $20,264.

Road No. 1290, Monroe County, 1.53 miles. THOMAS GRADY, Rochester, $15,679 (awarded contract); Newport Construction Co., Herkimer, $16,284; Monroe Roads Co., Pittsford, $16,436; Ribstein-Holter Co. Inc., Rochester, $16,578; Morrisson & Quinn, Rochester, $16,717; Chambers & Barnes, Rochester.

Road No. 511, Montgomery County, 3.81 miles. DALE ENGINEERING CO., Utica, $31,869 (awarded contract); Semper Bros., Watertown, $32,310; Brady-Oltarsh Construction Co. Inc., New York, $33,010; Newport Construction Co., Herkimer,

$33,390; D. I. Snell & Co., Canajoharie, $33,537; Fort Schuyler Construction Co. Inc., Oneida, $35,063.

Road No. 5280, Nassau County., 1.57 miles. ULRICH & PERSICANE, Brooklyn, $24,035 (awarded contract); Westchester-Dutchess Corporation, Mt. Vernon, $24,208; Nordone & Petrillo, Mt. Vernon, $24,762; E. T. Eggleston, Yonkers, $25,-811; John L. Hayes Construction Co., Yonkers, $25,907; Gifford Construction Co., Jamaica, $26,429; Thomas F. Tuohy, Flushing, $26,470; Murray & Gardner, Center Moriches, $26,-809; Belmar Contracting Co. Inc., Troy, $26,938.

Road No. 1209, Onondaga County, 0.27 mile. MONODO CONSTRUCTION CO., Syracuse, $12,654 (awarded contract); C. T. Hookway Construction Co., Syracuse, $12,660; John Davin, Syracuse, $12,944; M. J. Gleason & Co., Syracuse, $13,156; J. J. Cashin, Fayetteville, $13,426; Samuel Bonn, Syracuse, $13,428; Sullivan Construction Co., Syracuse, $13,831; William H. Ring Contracting Co., Ogdensburgh, $14,338.

Road No. 1294, Ontario County, 1.38. CHAMBERS & BARNES, Rochester, $14,520 (awarded contract); Ribstein-Holter Co. Inc., Rochester, $15,140; J. W. Brennan Construction Co. Inc., Geneva, $15,333; Ontario Roads Co., Manchester, $15,610; Thomas F. Murray, Le Roy, $16,292.

Road No. 1302, Otsego County, 12.66 miles. J. A. CULKIN, Oswego, $130,509 (awarded contract); Ruddy-Saunders Construction Co. Inc., Troy, $132,741; Peter F. Connolly Co., Horseheads, $133,067; Weed & Walsh, Mechanicsville, $133,734; D. L. Anderson, Albany, $134,797; Richard Hopkins, Troy, $135,821; Brady-Oltarsh Construction Co., Inc., New York, $139,548; Conroy & Nixdorf, Oneida, $147,689.

Road No. 1 1303, Otsego County, 2.52 miles. ALONZO SCHAUPP, Guilderland, $19,982 (awarded contract); Newport Construction Co., Herkimer, $21,275; Weed & Walsh, Mechanicsville, $22,049; John H. Gordon, Albany, $22,186; Paddelford & King, Sherburne, $22,420; F. P. Meckes, Long Pond, Penn., $22,802; Richard Hopkins, Troy, $22,958; Dale Engineering Co., Utica, $23,341; John A. Jova Inc., Newburgh, $23,412; Fort Schuyler Construction Co., Inc., Oneida, $23,903; Brady-Oltarsh Construction Co. Inc., New York, $23,933.

Road No. 1295, Rockland County, 2.95 miles. BRADY-OLTARSH CONSTRUCTION CO. INC., New York, $38,135 (awarded contract); Ruddy-Saunders Construction Co., Troy, $39,914; John A. Jova, Inc., Newburgh, $40,279; William F. McCabe Contracting Co. Inc., White Plains, $40,326; E. T. Eggleston, Yonkers, $40,398; John L. Hayes Construction Co., Yonkers, $40,751; Utility Construction Co. Inc., New Brunswick, N. J., $48,107.

Road No. 5537, Steuben County, 1.72 miles. KENNEDY CONSTRUCTION CO., Albany, $29,880 (awarded contract); Frank Malone, Syracuse, $30,964; Greenfield Construction Co., Hornell, $30,995; William C. Evans, Ambler, Penn., $31,607; Sullivan Construction Co., Syracuse, $32,168; Chambers & Barnes, Rochester, $32,603; C. F. McGuire, Hornell, $32,920.

Road No. 1291, Suffolk County., 3.25 miles. NORDONE & PETRILLO, Mt. Vernon, $39,879 (awarded contract); Westchester-Dutchess Corporation, Mt. Vernon, $41,544; Brady-Oltarsh Construction Co. Inc., New York, $42,025; John L. Hayes Construction Co., Yonkers, $42,530; Municipal Asphalt Corporation, New York, $42,670; E. T. Eggleston, Yonkers, $43,732; Murray & Gardner, Center Moriches, $43,754; Belmar Contracting Co., Inc., Troy, $45,172; James J. Gallagher, Brooklyn, $45,347; Rosenthal Engineering & Contracting Co., Inc., Brooklyn, $52,780.

Road No. 5570, Ulster County, 2.97 miles. FRANK SALVOUCCI, West Hurley, $29,214 (awarded contract); Marks Kearney, Hudson, $31,139; Henry Clinton, Poughkeepsie, $31,-870; Ruddy-Saunders Construction Co., Troy, $32,755; John F. Gallagher, Kingston, $32,905; S. V. Van Wagonen, Inc., Roundout, $33,191; George McEvoy, Creek Locks, $34,148; William G. Fox, Saratoga Springs, $35,237; Conroy Bros. & Kennedy, Eddyville, $35,254; Blankfield & Donovan, Kingston, $36,711; Brady-Oltarsh Construction Co. Inc., New York, $36,-876; De Graaf & Hogeboom, Kingston, $37,244; Winston & Co., Brown Station, $37,511.

Road No. 1228, Warren County, 5.13 miles. Kingsbury Construction Co., Hudson Falls, $69,583; D. L. ANDERSON, Albany, $69,707 (awarded contract); John H. Gordon, Albany, $69,852; Brady-Oltarsh Construction Co. Inc., New York, $71,420; Kellogg & Boynton, Keesville, $74,460; Cæsar A. Rossi, Horicon, $74,828; William G. Fox, Saratoga Springs, $75,091; Joseph McCormick, East Providence, R. I., $75,128.

✚✚**Albany, N. Y.**—(Official)—Bids were received July 15 by the State Highway Commissioner for repaving highways in various counties as follows:

Repair Contract No. 812, Road No. 125, Road No. 174, Broome County, 3.67 miles. LANE CONSTRUCTION CORPORATION, Meriden, Conn., $33,292 (awarded contract); Charles E. Haney, Camillus, $33,415; Ruddy-Saunders Construction Co., Troy, $34,596; W. C. Evans, Ambler, Penn., $36,969.

Repair Contract No. 810, Road No. 294, Monroe County, 2.92 miles. DODGE CONSTRUCTION CO. INC., Rochester, $12,591 (awarded contract); Monroe Roads Co., Pittsford, $12,-828; Ribstein-Holter Co. Inc., Rochester, $12,859; I. M. Ludington Sons, Inc., Rochester, $13,168; Thomas Grady, Rochester, $13,625.

Repair Contract No. 811, Road No. 172, Monroe County, 0.67 mile. FLOWER CITY CONTRACTING CO., Rochester, $14,828 (awarded contract); Dodge Construction Co., Rochester, $14,841; Whitmore-Rauber & Vicinius, Rochester, $14,-895; Ribstein-Holter Co. Inc., Rochester, $15,204.

Repair Contract No. 489, Road No. 63, Road No. 79, Monroe County, 1.52 miles. UNION PAVING CO., Schenectady, $15,074 (awarded contract); Langan Construction Corporation, Albany, $15,317; Whitmore-Rauber & Vincinius, Rochester, $18,-195; Peter F. Connolly Co., Horseheads, $18,648; Ribstein-Holter Co. Inc., Rochester, $20,873. Noted June 24.

✚✚**Albany, N. Y.**—(Official)—Bids were received July 13, by the State Highway Commissioner for constructing roads in various counties as follows:

Road No. 5565, Chenango County, 7.78 miles. FRED E. GROSS & SONS, Yonkers, $85,290 (awarded contract); T. H. Gill Co., Binghamton, $86,184; Paddelford & King, Sherburne, $86,547; Weed & Walsh, Mechanicsville, $87,896; George F. Child, Albany, $88,502; Lane Construction Corporation, Meriden, Conn., $89,271; Ruddy-Saunders Construction Co., Troy, $89,842; Semper Bros., Watertown, $90,469; Conroy & Nixdorf, Oneida, $91,396; Joseph McCormick, East Providence, R. I., $92,867.

Road No. 5568, Chenango County, 4.02 miles. PADDELFORD & KING, Sherburne, $46,693 (awarded contract); Newport Construction Co., Herkimer, $47,965; Greenfield Construction Co., Hornell, $48,572; Joseph McCormick, East Providence, R. I. $51,714.

Road No. 1225, Jefferson County, 2.86 miles. JOSEPH McCORMICK, East Providence, R. I., $17,830 (awarded contract).

Road No. 1226, Jefferson County, 2.40 miles. JOSEPH McCORMICK, East Providence, R. I., $15,621 (awarded contract).

Road No. 1299 Lewis County, 2 miles. SPERRYMAN-OLIVER CO., Chateaugay, $18,646 (awarded contract); Thomas Grady, Rochester, $19,416.

Road No. 1300, Lewis County, 8.82 miles. FRED E. GROSS & SON, Yonkers, $76,244 (awarded contract); J. A. Culkin, Oswego, $81,385; Brady-Oltarsh Construction Co., Inc., New York, $84,545; J. G. Hayes Co. Inc., Rome, $86,361; C. S. Mathusa, Albany, $87,145; J. H. Weidman, Syracuse, $87,855; Thomas Grady, Rochester, $88,328; James E. Martin, Utica, $94,135.

Road No. 1301, Lewis County, 1.27 miles. HARRY W. ROBERTS & CO., Utica, $32,398 (awarded contract); R. D. Cooper, Little Falls, $34,235.

Road No. 410, Montgomery County, 7.10 miles. JAMES ANDERSON, Menands, $70,465 (awarded contract); Brady-Oltarsh Construction Co. Inc., New York, $71,965; Conroy & Nixdorf, Oneida, $76,328; James E. Martin, Utica, $81,144.

Road No. 1265, St. Lawrence County, 5.50 miles. FRED E. GROSS & SON, Yonkers, $48,961 (awarded contract); Thomas Grady, Rochester, $51,882; Henry P. Burgard Co., Buffalo, $51,-948; E. T. Eggleston, Yonkers, $51,949; Ross-Hallenbeck Construction Co., Copenhagen, $54,328; L. S. Derosia, Massena, $57,209.

Road No. 5569, Schoharie County, 4.79 miles. DEGRAAF & HOGEBOOM, Kingston, $47,980 (awarded contract); Weed & Walsh, Mechanicsville, $48,243; S. V. Van Wagonen, Inc., Rondout, $48,612; Ruddy-Saunders Construction Co., Troy, $48,842; George F. Child, Albany, $50,068; C. S. Mathusa, Albany, $51,010; Brady-Oltarsh Construction Co. Inc., New York, $51,979; George Holler, Albany, $53,339; Lane Construction Corporation, Meriden, Conn., $54,160; John A. Jova, Inc., Newburgh, $54,441.

Road No. 5557, Schuyler County, 6.03 miles. JAMES T. MOORE, Elmira, $61,507 (awarded contract); J. W. Brennan Construction Co. Inc., Geneva, $61,954; Sullivan Construction Co., Syracuse, $62,425; Atlanta Construction Co., Atlanta, $63,-828; John W. Gurnett, Watkins, $64,577; Richard Hopkins, Troy, $64,854; Peter F. Connolly Co., Horseheads, $64,871; John H. Gordon, Albany, $65,001; Brady-Oltarsh Construction Co., Inc., New York, $65,732; Lane Construction Corporation, Meriden, Conn., $69,502.

Road No. 1232, Schuyler County, 1.11 miles. FRANK MALONE, Syracuse, $26,157 (awarded contract); J. W. Brennan Construction Co. Inc., Geneva, $26,533; Peter F. Connolly Co., Horseheads, $27,105; John R. Burchill, Syracuse, $28,123.

Road No. 1102, Steuben County, 9.09 miles. ATLANTA CONSTRUCTION CO., Atlanta, $77,710 (awarded contract); Sullivan Construction Co., Syracuse, $81,202; Richard Hopkins, Troy, $83,331; Dale Engineering Co., Utica, $83,679; John R. Burchill, Syracuse, $84,229; Thomas Hucknall, Albion, $83,882; John H. Gordon, Albany, $85,918; Brady-Oltarsh Construction Co., Inc., New York City, $87,435; John Johnson Construction Co., Buffalo, $88,474.

Road No. 1292, Steuben County, 3.42 miles. J. G. HAYES CO., INC., Rome, $34,178 (awarded contract); Dale Engine Co., Inc., Utica, $34,566; Thomas Grady, Rochester, $34,946; Atlanta Construction Co., Atlanta, $34,964; Sullivan Construction Co., Syracuse, $35,297; Frank Malone, Syracuse, $36,377; Richard Hopkins, Troy, $37,499; Bison City Engineering & Contracting Co., Buffalo, $38,019.

Road No. 5564, Steuben County, 7.31 miles. DALE ENGINEERING CO., Utica, $59,744 (awarded contract); Kennedy Construction Co., Albany, $61,974; Atlanta Construction Co., Atlanta, $65,125; P. H. Murray, Rochester, $65,859; J. G. Hayes & Co. Inc., Rome, $66,029; Sullivan Construction Co., Syracuse, $67,756; John H. Gordon, Albany, $67,928; Peter F. Conley Co., Horseheads, $68,067; John C. Bradley, Corning, $68,759; Fred E. Gross & Sons, Yonkers, $69,405; James T. Moore, Elmira, $70,501.

Road No. 5457-A, Sullivan County, 0.72 mile. JOHN A. JOVA, INC., Newburgh, $12,266 (awarded contract); John J. Keating, Monticello, $12,672; Jackson Bros., Cuddebackville, $12,964.

Road No. 5567, Tompkins County, 3.04 miles. JOHN R. BURCHILL, Syracuse, $28,872 (awarded contract); Frank Malone, Syracuse, $29,104; Sullivan Construction Co., Syracuse, $29,779; Brady-Oltarsh Construction Co. Inc., New York, $30,-643; Patrick D. Conley, Ithaca, $31,183; F. P. Meckes, Long Pond, Penn., $31,313; Richard Hopkins, Troy, $31,442; Juniata Co., Philadelphia, Penn., $31,997.

Road No. 5571, Westchester, County, 4.32 miles. FAGNANI & MARRA, Tuckahoe, $49,822 (awarded contract); Fred E. Gross & Sons, Yonkers, $52,430; John L. Hayes Construction Co., Yonkers, $53,626; Westchester-Dutchess Corporation, Mt. Vernon, $53,846; White & Colligan, Purchase, $55,516; Harris-Rose Construction Corporation, New York, $56,509; Brady-Oltarsh Construction Co., Inc., New York, $56,607; E. T. Ekkleston, Yonkers, $56,956; William F. McCabe Contracting Corporation, Inc., White Plains, $57,875; Nordone & Petrillo, Mt. Vernon, $58,345; Frank G. Fowler Construction Co., Mt. Kisco, $58,498.

Road No. 1088, Wyoming County, 1.53 miles. FRANK M. FOOTE, Arcade, $24,932 (awarded contract); John Johnson Construction Co., Buffalo, $25,172.

Road No. 1267, Wyoming County, 6.99 miles. FRED E. GROSS & SONS, Yonkers, $67,390 (awarded contract).

★**Albany, N. Y.**—(Official)—Bids were received July 13 by the State Highway Commission, Lancaster St., Albany, for the repair of highways by state aid as follows:

Repair Contract No. 556, Road No. 216, Delaware County, 0.95 mile. SCHUNNEMUNK CONSTRUCTION CO., Highland Mills, $7901 (awarded contract); DeGraafe & Hogeboom, Inc., Kingston, $10,236.

Repair Contract No. 809, Road No. 334, Ontario County, 1.69 mile. HARRY W. ROBERTS CO., Utica, $17,170 (awarded contract); Lane Construction Corporation, Meriden, Conn., $18,830; Langan Construction Corporation, Albany, $18,885; J. W. Brennan Construction Co., Inc., Geneva, $19,467; Union

Paving Co., Schenectady, $20,745; Federal Asphalt Corporation, New York, $22,027.

Repair Contract No. 813, Road No. 5111 and 5112, Suffolk County, 4.08 miles. WILLIAM DOYLE, Saugerties, $17,787 (awarded contract); Municipal Asphalt Co., New York, $19,967; Barker-Bonner Co., Inc., New York, $20,405; Frank Nordone, Mt. Vernon, $21,186; John J. Guinan Contracting Co., Brooklyn, $22,096. Noted June 24.

+Batavia, N. Y.—A contract for paving Tracy, Dellinger and Vernon Ave. and Elm St. has been awarded to THOMAS HOLAHAN, Rochester, at $53,156. Noted July 1.

+Binghamton, N. Y.—The contract for paving Beethoven St. has been awarded to WARREN BROS., at $2.28 per sq.yd.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received by Douglas Mathewson, Borough Pres., for improving (a) Rosewood St. from Bronx Blvd. to White Plains Ave., (b) Glover St. from Castle Hill to Westchester Ave., (c) Holland Ave. from Baker to Hunt Ave., (d) East 174th St. from Bryant to Boone Ave., (e) Albany Crescent from Bailey Ave. south of West 231st St. to Bailey Ave. to West 233rd St., as follows: Harris-Rose Construction Co., (a) $6039; H. F. Breen, (a) $5847; J. Di Menna, (a) $5511, (b) $9275, (c) $15,500; Burnside Contracting Co., (a) $6035, (b) $9322, (c) $15,860; M. Maher, (a) $6035; M. Di Menna, (a) $5890; Delson Contracting Co., (a) $6038, (b) $10,379, (c) $15,067; Sparara Contracting Co., (a) $6172; S. Amanna & Sullivan, (a) $6065, (c) $17,074; Di Menna & De Blasio, (a) $5666, (b) $10,050, (c) $15,851; J. F. Calahan, (b) $9586; D. J. Duffy, (c) $19,683; Barber Asphalt Co., (d) $4195, (e) $6324; Municipal Asphalt Co., (d) $3805, (e) $6324; Asphalt Construction Co., (d) $3986, (e) $6373; Uvalde Asphalt Co., (d) $3589, (e) $5751.

+New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received for regulating, grading and paving with asphalt on a concrete foundation a traffic roadway on Park Circle, at the interception of Coney Island Ave. and Ocean Parkway, as follows: Uvalde Asphalt Co., 1 Broadway, $5049; Barber Asphalt Co., $6475; Sicilian Asphalt Co., $7670; Cranford Co., $6908.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., July 28, by L. H. Pounds, Borough Pres., for improving portions of Newton St., Skillman St. and Vernon Ave., also for 50,000 asphalt paving blocks, 50,000 wood paving blocks, 1800 cu.yd. of broken trap rock and 1200 cu.yd. of trap rock screenings.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received July 15 by Marcus M. Marks, Borough Pres., for improving (a) 68th St. from Park to Fifth Ave., (b) 100th St. from Central Park West to Amsterdam Ave., (c) 100th St. from West End Ave. to Riverside Drive, (d) Riverside Drive from 177th to 181st St., as follows: Cleveland Trinidad Paving Co., (a) $8499, (b) $39,328, (c) $5309; Barber Asphalt Co., (a) $7901, (b) $36,795, (c) $3946; Aztec Asphalt Co., (a) $7464, (b) $29,302, (c) $4036; Sicilian Asphalt Co., (a) $7109, (b) $35,642, (c) $4288; Asphalt Construction Co., (a) $7098, (b) $35,672, (c) $4189; Uvalde Asphalt Co., (a) $7780, (b) $29,553, (c) $4521; Peter Kramer, (d) $7537; P. J. Duffy, (d) $6043; Di Menna & De Paola, (d) $6876; Di Menna & De Blasio, (d) $5697; Arthur Casey, (d) $9087; Federal Asphalt Co., (d) $6839.

+Rochester, N. Y.—The contract for paving Mayberry St. with asphalt has been awarded to the JULIUS FRIEDERICH CO., at $5250.

Bloomfield, N. J.—Bids will be received until 8 p.m., Aug. 2, by Raymond F. Davis, Town Clk., for improving Essex Ave., Berkeley Ave., Harrison and Grove St. Estimated cost, about $15,200.

East Orange, N. J.—Bids will be received until 8 p.m., July 26, by the City Council for grading, curbing and paving Girard Ave. and Linden Ave.

+Elberon, N. J.—The contract for repaving Ocean Ave. from the Allenhurst line to Elberon has been awarded to the SCHEFFIER-BURNS CO., at $132,000.

Elizabeth, N. J.—Press reports state that the Common Council has appropriated $70,368 for resurfacing Telford roads and $32,000 for repaving Broad St.

+Harrison, N. J.—The contract for paving Middlesex St. from Second to Fourth St. has been awarded to the GLENFIELD CONSTRUCTION CO., at $10,632.

Hoboken, N. J.—Bids will be received until 10 a.m., July 28, by the Board of City Commissioners for grading and repaving portions of Third, Fourth, Fifth, Sixth, Jefferson, Adams, Hudson, River and 14th St. and Willow Ave.

Hoboken, N. J.—(Official)—Bids will be received until 10 a.m., July 28, by the Board of City Commissioners for improving a portion of the concrete walks in Elysian Park. Daniel A. Haggerty is City Clk.

Jersey City, N. J.—Bids will be received until 11 a.m., July 28, by the Board of Commissioners for repaving a portion of Whiton St. with asphalt block and a portion of Tonnele Ave. with wood block. Michael I. Fagen is City Clk. Noted July 8.

+Millburn, N. J.—(Official)—A contract for grading, draining and paving Highland Ave. has been awarded to J. H. SCHMIDT, Millburn. Noted July 8.

Newark, N. J.—The Board of Street and Water Commissioners plans to pave Eckert Ave. with asphalt from Seymour Ave. to Osborne Terrace. P. H. Ryan is Pres. Bd.

Newark, N. J.—Bids were received July 15 for paving South Orange Ave. from South Ninth to South 20th St., as follows: John E. Donovan, Port Richmond (Borough of Richmond), $28,885; John S. Geiger & Son, Newark, $32,850; Hastings Pavement Co., 25 Broad St., Newark, $32,410; Northern Construction Co., $35,031; Newark Paving Co., $30,923; Ralph Sangiovanni, $27,826; Glenfield Construction Co., $30,616. Noted July 8.

Norwood, N. J.—(Official)—Bids will be received until 8 p.m., July 23, by the Borough Council for repairing Tappan Rd. A. J. Kuhl is Borough Clk.

+Weehawken, N. J.—(Official)—The contract for paving Clifton Terrace with concrete block has been awarded to the CLINTON CONTRACTING CO., West Hoboken, at $7518. Noted July 1 and 15.

West New York, N. J.—The Town Council has authorized the City Engineer to prepare plans and specifications for the improvement of 10th and 11th St.

West New York, N. J.—The Town Council has had plans prepared for improving Adams and Seventh St.

+Clarion, Penn.—(Official)—A contract for constructing brick and concrete pavements has been awarded to L. H HILEMAN & CO., New Kensington, $12,628. Noted July 8.

Greensburg, Penn.—(Official)—Bids will be received until noon, July 23, by John S. Sell, City Controller, for improving sections of the highway in Mt. Pleasant Township, being parts of the Kecksburg-Donegal Rd.

+Pittsburgh, Penn.—Contracts have been awarded by the Commissioners of Allegheny County for road construction as follows: Braddock and Ardmore Rd. in Braddock Township, brick, McCURDY BROS., $7086; Newton and Rodi Rd. in Wilkins Township, brick, JAMES SWEENEY, $25,568; McCoy Extension Rd. in Stowe and Kennedy Townships, macadam, D. W. CHALLIS & SONS, $17,669; Wilmerding and Monroeville connecting road in Patton Township, macadam, R. H. CUNNINGHAM & SONS CO., $25,204; Millers Rune Extension Rd. in South Fayette Township, brick, WILLIAM J. PAYNE, JR., CO., $42,473. Noted July 1.

+Baltimore, Md.—The contract for paving Cliftview Ave. and Norwood Rd. with asphalt has been awarded to the AMERICAN PAVING CO., at $10,717.

+Towson, Md.—The contract for paving Roland Ave. from Deepdine Rd. to Lake Ave. has been awarded to P. FLANIGAN & SONS, 120 East Lexington St., at $50,000.

+Charleston, W. Va.—A contract for constructing 5½ miles of improved roadway has been awarded to the CAREY-REED CO., Lexington, Ky., at $90,000.

Moundsville, W. Va.—(Official)—Bids will be received until noon, July 26, by O. B. Bonar, City Clk., for improving Fifth St.

+Baton Rouge, La.—A contract for constructing 15 miles of street pavement has been awarded to G. W. PRUTSMAN, Danville, at approximately $200,000.

Lake Charles, La.—Press reports state that the Commissioners of Cemeron Parish have authorized the expenditure of $36,000 for constructing and improving roads.

+Chattanooga, Tenn.—A contract for constructing Lookout Mountain Pike has been awarded to the McISAAC-GENTRY CONSTRUCTION CO., Chattanooga, at $101,000. Noted May 27.

Knoxville, Tenn.—The citizens of Union County have voted in favor of issuing $100,000 in bonds, the proceeds of which will be used for work to be done on the Dixie Highway.

Memphis, Tenn.—All bids received for paving the Mississippi Blvd. from Calhoun Ave. and Lauderdale St. have been rejected. Noted July 15.

+Elizabethtown, Ky.—A contract for constructing four miles of macadam road has been awarded to J. VAN FLETCHER, Elizabethtown, at $5000.

+Georgetown, Ky.—A contract for constructing macadam roads in Scott County has been awarded to J. WILLIAM COYLE and J. S. LANCASTER, at $18,000.

+Morganfield, Ky.—The contract for paving Main St. with vitrified brick has been awarded to COLLINS & PAVEY, Mt. Vernon, Ill., at $12,600.

Bexley, Ohio—(Official)—Bids will be received until noon, Aug. 6, by Chester A. Miller, Village Clk., for the sale of $124,000 in bonds, the proceeds of which will be used for improving various streets.

+Cincinnati, Ohio—Contracts have been awarded for improving the Plainfield Rd. to R. E. CASH, $6038; Lee's Creek Rd. to TOPH & HOLDEN, $9550. Noted June 17.

+Cincinnati, Ohio—(Official)—The contract for improving Lee's Creek Rd. from Biddinger Pike to Crosby Township line, in Harrison Township has been awarded to TOPH & HOLDEN, Harrison, at $9550. Noted June 17.

Coshocton, Ohio—(Official)—Bonds for $11,000 were sold July 10, the proceeds of which will be used for improving Seventh Ave. from Kenilworth Ave. to Bank St. Noted July 1.

Cuyahoga Falls, Ohio—(Official)—Bids will be received until noon, July 28, by W. F. Williston, Village Clk., for improving Portage St.

Defiance, Ohio—(Official)—Bids will be received until July 28 by Clayton M. Rath, Dir. Pub. Ser., for laying 28,129 sq.yd. of pavement.

Delaware, Ohio—Bids will be received until 10 a.m., Aug. 4, by the County Surveyor for improving and paving 0.56 miles of Trimmer Joint County Rd., in Delaware County. F. C. Higley is Engr.

East Cleveland, Ohio—Press reports state that the City Council plans an expenditure of $200,000 for paving three miles of Euclid Ave.

+Euclid, Ohio—(Official)—The contract for repairing Euclid Rd. and Chardon Rd. has been awarded to SPENCE BROS., Cleveland. Noted July 1.

Lima, Ohio—(Official)—Bids will be received until noon, July 29, by the Board of Commissioners of Allen County for constructing approximately 5800 sq.yd. of concrete pavement, 18 lin.ft. wide. H. J. Lawlor is County Clk.

+Portsmouth, Ohio—(Official)—Contracts for paving Park Ave., Harward Pl., Walnut and Norfolk St., have been awarded to KELLEY BROS., Portsmouth, at $4745, $1949, $2089 and $15,468 respectively. Noted July 1.

Salineville, Ohio—(Official)—Bids will be received until noon, Aug. 2, by W. E. Schubert, Village Clk., for the sale of $9000 in bonds, the proceeds of which will be used for improving a number of streets.

+Franklin, Ind.—The contract for constructing a gravel road in Union Township has been awarded to BROWN & PITCHER, Bargersville.

South Bend, Ind.—(Official)—Bids will be received until 11 a.m., Aug. 16, by the Commissioners of St. Joseph County for constructing a concrete road in Penn Township. Clarence Sedwick is County Audr.

Aurora, Ill.—Bids will be received about Aug. 1 for paving South River St. M. Tarble is Engr.

Paris, Ill.—(Official)—Bids will be received until 2 p.m., July 31, by the Commissioners of Highways of Hunter Township for constructing 3960 lin.ft. of gravel road on the Baldwinsville State Line Rd. and 5280 lin.ft. of gravel road on the Heelan Rd. in Hunter Township.

✚**Brocton, Ill.**—(Official)—The contract for constructing combination rock and gravel roads on four highways in Embarrass Township has been awarded to SNYDER & BARNETT, Frankfort, at $20,345. Noted June 17 and July 1.

✚**Paris, Ill.**—A contract for graveling the Redmon, Stewart and Culbertson Roads has been awarded to RALPH BAUM, at $8886.

✚**Madison, Wis.**—The contract for paving Williamson St. from South Blair to South Blount St. has been awarded to J. W. MITCHELL, Madison, at $9994.

Milwaukee, Wis.—Press reports state that the Board of Public Works plans to pave Center and Vliet St.

Racine, Wis.—Bids will be received until 10 a.m., Aug. 7, by the Board of Public Works for paving West Blvd. from Washington to Kinzie Ave.

✚**Racine, Wis.**—A contract for paving a number of alleys has been awarded to the FLEROTILE & CEMENT CONSTRUCTION CO., Racine.

✚**Sheboygan, Wis.**—The contract for paving South 14th St. with concrete has been awarded to JOHN BRAUN, Sheboygan, at $30,260.

Duluth, Minn.—(Official)—Bids will be received until 11 a.m., July 26, by the Commissioner of Public Works for improving Colorado St.

✚**St. Cloud, Minn.**—A contract for constructing concrete sidewalks has been awarded to GRUBER & CO. Noted June 3.

✚**Grand Island, Neb.**—A contract for laying approximately nine block of brick block pavement has been awarded to R. D. KINGSBURY.

Lincoln, Neb.—(Official)—Bids will be received until 10 a.m., July 27, by Thomas J. Flynn, City Clk., for improving a number of streets.

Sinto, Tex.—At a recent election the citizens of District No. 3, San Patrico County, voted in favor of issuing $75,000 in bonds, the proceeds of which will be used for constructing roads.

Santa Fé, N. M.—Bonds for $500,000 have been sold by the State Highway Commission, the proceeds of which will be used for constructing roads throughout the state.

Provo, Utah.—Press reports state that bids will soon be received by the City Council for constructing one mile of concrete pavement, at an estimated cost of $30,000.

Phœnix, Ariz.—Press reports state that the citizens of Cohise County will soon vote on the question of issuing bonds, the proceeds of which will be used for constructing and improving roads throughout the county.

✚**Blaine, Wash.**—A contract for constructing concrete pavements has been awarded to BOOKER & CAMPBELL, Bellingham.

✚**Cathlamet, Wash.**—(Official)—The contract for improving a portion of State Road No. 19, beginning at Skamokawa, running eastward a distance of 6½ miles has been awarded to SLOAN BROS., Seattle, at $26,311. Other bids were: Standefer-Clarkson, $30,000; Montague O'Reilly Co., $28,000; Elliott Contracting Co., $27,000. Noted July 1.

✚**Ferndale, Wash.**—A contract for street paving has been awarded to TROPMAN & BOERHAVE, Lynden, at $12,485.

✚**Mt. Vernon, Wash.**—The contract for paving Permanent Highway No. 2 has been awarded to FERCH & GASS, White Bldg., Seattle, at $26,595.

Seattle, Wash.—Bids will be received until 11 a.m., Aug. 2, by the Commissioners of King County for constructing Permanent Highway No. 11. Byron Phelps is County Audr. and Clk.

Seattle, Wash.—The City Council has approved plans for the paving of Utah Ave. with brick.

Walla Walla, Wash.—The City Commission plans to pave Rose and 12th St., which when completed will connect with Walla Walla County macadam roads. The estimated cost is $18,000.

✚**Wenatchee, Wash.**—The contract for constructing permanent Highway No. 6 has been awarded to J. GARLAND, at $14,797.

Clatskanie, Ore.—The City Council plans to construct concrete sidewalks on the main streets of the city, at an estimated cost of $20,000.

✚**Portland, Ore.**—The contract for paving Brooke St. from Scott Ave. to East Stark St. with concrete has been awarded to GIEBISCH & JOPLIN, Portland, at $14,071.

✚**Fullerton, Calif.**—The contract for paving Broad Rd. with asphaltic concrete has been awarded to O. & C. CONSTRUCTION CO., La Habra (Fullerton post office), at $36,000.

Lindsay, Calif.—Bids will soon be received by the City Council for paving approximately 12 blocks of city streets.

✚**Los Angeles, Calif.**—The contract for improving Ardmore Ave. from San Marino and 11th St. has been awarded to E. A. BAKER, at $5972.

Los Angeles, Calif.—Bids will be received until 2 p.m., July 26, by the Board of Supervisors for road improvements in District No. 3 of Los Angeles County.

✚**Quincy, Calif.**—The Supervisors of Plumas County have awarded the contract to the BRADLEY ENGINEERING CO., Reno, at $7600, for constructing a road in Sierra Valley.

Sacramento, Calif.—(Official)—Bids were received July 6 by the State Highway Commission for constructing highways as follows: (a) Contra County, Route 14, Section B, (b) Glen County, Route 7, Section B, (c) Tehama County, Route 3, Section C, (d) Tulare County, Route 10, Section A, (e) Tulare County, Routes 4 and 10, Sections B [illegible] F. Rolandi, San Francisco, (a) $39,234, (c) $48,773; [illegible] Costa Construction Co., Berkeley, (a) $35,980; Jame[illegible] patrick, Sacramento, (a) $39,009, (c) $48,137; Theodore [illegible] and Thomas H. Muller, San Francisco, (a) $39,306; [illegible] Falconer, Pinole, (a) $39,662; O'Brien Bros., Martin[illegible] $35,548; Spring Construction Co., Berkeley, (a) $38,19[illegible] Bechtel, Atton, (a) $45,297; W. B. Hunter & Sons, A[illegible] (a) $39,844, (b) $38,441; Hard Bros., Ukiah, (a) $51,1[illegible] McLean Construction Co., San Francisco, (a) $40,[illegible] $54,486; W. J. Schmidt, Berkeley, (a) $36,098; Palmer [illegible] Bryde, San Francisco, (a) $47,708; Richard Rothwe[illegible] Angeles, (a) $34,054, (c) $60,967; Urban Construct[illegible] San Francisco, (a) $29,833; Blanchard Brown Co., (a) [illegible] Bates Borland & Ayer, Oakland, (a) $33,623; Occident[illegible] struction Co., Los Angeles, (a) $38,987; Fairbanks & [illegible] Willits, (a) $34,190; G. W. Conners, Eureka, (a) $37,[illegible] $52,117; L. F. Gerdetz, San Francisco, (b) $37,327; [illegible] Rock Co., San Anselmo, (b) $37,204; Highway Paving & Construction Co., San Francisco, (b) $39,867, (d) $17,[illegible] $33,462; H. G. Vaughan Construction Co., San Francisco, (b) $35,209; C. H. & A. W. Gorrill, San Francisco, (b) $[illegible] P. H. Hoare, Oakland, (b) $44,876; Taylor & Berliner, Los Angeles, (b) $33,817, (e) $40,504; H. H. Harlan & C. M. Harlan, Williams, (c) $49,214; Shattuck & Nimmo Warehouse Co., Bakersfield, (d) $17,522, (e) $32,461; Rogers Bros. Co., Los Angeles, (d) $23,256, (e) $45,666; Bent Bros., Los Angeles, (d) $19,543, (e) $37,954; White & Gaskill, Long Beach, (d) $14,813, (e) $30,378; John D. Marsh, Bakersfield, (d) $15,270, (e) $30,409; M. Blumenkranz, Davis, (e) $41,416. Noted July 1.

Sacramento, Calif.—(Official)—Bids will be received until 2 p.m., July 26, by the State Highway Commission, 515 Forum Bldg., for constructing roads in various counties. Austin B. Fletcher is State Highway Engr.

✚**Salinas, Calif.**—The contract for paving Alisal St. with macadam has been awarded to the GRANITE ROCK Co., at $20,268.

San Bruno, Calif.—Bids will soon be received by the City Trustees for constructing new streets and sewers, at an estimated cost of $31,000.

✚**San Francisco, Calif.**—The contract for improving 19th Ave. from Noriege to Quintate St. has been awarded to F. R. RITCHIE, at $23,255.

Visalia, Calif.—According to press reports bids will be received some time in August by the Supervisors of Tulare County for constructing a section of highway between Three Rivers and Lemon Cove.

INDUSTRIAL WORKS

Everett, Mass.—The New England Mfg. Co., Woburn, Mass., has purchased a site, and will build a benzol plant.

Greendale, Mass.—(Worcester post office)—Plans have been prepared by Lockwood, Green & Co., Arch., 60 Federal St., Boston, Mass., for the construction of a 120x200-ft. addition to the plant of the Heald Machine Co., New Bond St. J. N. Heald is Treas.

Marblehead, Mass.—The Parker Shoe Co. has purchased a site on Elm St. and will build a three-story factory in addition to its present plant.

New Bedford, Mass.—(Official)—Bids are being received by Lockwood Green & Co., Arch., 60 Federal St., Boston, Mass., for the construction of an eight-story, 108x158-ft., concrete warehouse for the Merchants' Terminal Warehouse Co. Noted July 15.

Quincy, Mass.—The Fore River Ship Building Corporation will build a two-story, 185x779-ft. brick and steel storage building on East Howard St. The estimated cost is $400,000.

Salem, Mass.—The Hydgrade Incandescent Lamp Co. will build a 52x202-ft. factory, with a 11x45-ft. wing, on Boston St.

✚**Worcester, Mass.**—F. W. MARK has been awarded the contract for the construction of a one-story garage for William H. Murray to cost $20,000. The L. W. Briggs Co. is Arch.

Hartford, Conn.—Bids are being received by Ford, Buck & Sheldon, Inc., Arch., for the construction of a one-story, 55x320-ft. factory on Homestead Ave. for the Hartford Special Machinery Co., 734 Main St.

Waterbury, Conn.—The Chase Metal Works has been granted a permit for the construction of a two-story, 60x200-ft., brick and steel addition to its factory on Thomaston Ave.

✚**Auburn, N. Y.**—The Firth Carpet Co. has awarded the contract for the construction of a one-story, 105x150-ft. addition to its plant to JOHN W. FERGUSON, Paterson, N. J. The estimated cost is $15,000.

Buffalo, N. Y.—The Danaby Packing Co. has been granted a permit for the construction of a cooling house at 25 Metcalfe St., to cost $20,000.

★**Cortland, N. Y.**—(Official)—Bids will be received until 4 p.m., July 27, at the office of the Armory Commission, 174 State St., Albany, N. Y., for the construction of a two-story reinforced-concrete storage house at the State Camp of Instruction.

New Hartford, N. Y.—The Sanquoit Toilet Paper Co. will build a 58x194-ft. and a 101x143-ft. manufacturing building, both three-stories. The estimated cost is $100,000. H. L. Meader, 178 Fifth Ave., New York, N. Y., is Arch.

New York, N. Y.—(Borough of Richmond)—Plans have been prepared by M. A. Cantor, Arch., 373 Fulton St (Borough of Brooklyn), for the construction of a one-story, 50x125-ft., brick storage building in Elm Park for the S. J. Linoleum Co.

✚**Utica, N. Y.**—H. R. BEEBE has been awarded the contract for the construction of a one-story, 77x180-ft. and 49x49-ft. machine shop on Gray Ave. for the Brunner Mfg. Co. Leo Brunner is Pres.

Bloomfield, N. J.—The International Arms & Fuse Co. will build a factory at Grove St. and Bloomfield Ave. Francisco & Jacobus, 200 Fifth Ave., New York, N. Y., is Arch.

✚**Erie, Penn.**—The Malleable Iron Co. has awarded to HENRY J. CONRATH, 439 East Sixth St., the contract for al-

terations to present buildings and the construction of a new structure at 12th and Cherry St., to cost $100,000.

Franklin, Penn.—The Citizens Traction Co. is receiving bids for the construction of a 52x150-ft. car-barn on Liberty St.

✚**Marcus Hook, Penn.**—(Official)—The contract has been awarded by Ballinger & Perrot, Arch., 17th and Arch St., Philadelphia, Penn., to WILLIAM PROVOST, JR., Chester, Penn., for the construction of a plant for the Viscose Co. Noted July 15.

✚**Philadelphia, Penn.**—(Official)—WILLIAM STEELE & SONS CO., 1600 Arch St., has been awarded the contract for the construction of a factory at Second and Erie Ave. for Thomas Potter & Sons Co. The estimated cost is $80,000. Noted July 15.

Philadelphia, Penn.—Kahn & Greenberg will build a seven-story, reinforced-concrete and brick manufacturing building at 24th and Market St.

Pittsburgh, Penn.—The contract will soon be awarded for the construction of a six-story, reinforced-concrete warehouse on Penn Ave. near Marbeau St., for the George S. Dougherty Co.

✚**Wheatland, Penn.**—The Knox Press & Welded Steel Co. has awarded the contract for the construction of a 130x700-ft. plant to the BLAW CONSTRUCTION CO., Pittsburgh, Penn.

Baltimore, Md.—Plans have been prepared by the G. E. Painter Co., Arch., for the construction of a 128x300-ft. addition to the plant of the Enamel & Novelty Co., Woodward and Clement St.

Hagerstown, Md.—(Official)—Bids are being received by Peuckert & Wunder, Arch., 310 Chestnut St., Philadelphia, Penn., for the construction of a two-story, 100x200 ft., reinforced-concrete factory for the Pangborn Corporation. Noted July 1 and 8.

✚**Douglas, Ga.**—The Douglas Compress Co. has awarded the contract to the EMPIRE CONSTRUCTION CO. for the construction of a compress building and sheds to cost approximately $40,000.

✚**Anderson, S. C.**—The GALLIVAN BUILDING CO., Greenville, S. C., has been awarded the contract for the construction of a one-story, 72x83-ft. mill and a one-story, 50x100-ft. storage warehouse for the Equinox Mills. The estimated cost is $15,000. J. E. Sirrine, Greenville, S. C., is Arch. and Engr.

Cleveland, Ohio—The Osborn Engineering Co., 740 Engineers Bldg., will receive bids for the construction of a five-story, 200x200-ft., brick and reinforced-concrete factory for the B. F. Goodrich Co., Akron, Ohio.

✚**Uhrichsville, Ohio**—(Official)—GEORGE J. BOCK, Coshocton, Ohio, has been awarded the contract for the construction of a $95,000 sewer plant for the United States Clay Products Co. S. L. Weaver is Arch. Noted July 15.

Cleveland, Ohio—Bids are being received for the construction of a brick and steel addition to the plant of the Chandler Motor Car Co., St. Clair Ave. and East 131st St. Ernest McGeorge, 855 Leader News Bldg., is Arch.

✚**Hamilton, Ohio**—THE CULLEN & VAUGHN CO. has been awarded the contract for building an addition to the plant of the Herring-Hall-Marvin Safe Co.

✚**Painesville, Ohio**—The Ohio Cast Stone Co. has awarded the contract to J. T. RICHARDS, Citizens Bldg., Cleveland, Ohio, for the construction of a 40x200-ft. plant with a 60x100-ft. wing, at the New York Central R.R. tracks near Forest St.

Reading, Ohio—The Tubular Products & Steel Works plans the construction of a plant.

Steubenville, Ohio—Plans are being revised by Peterson & Co., Arch., North Bldg., for the construction of a four-story warehouse for the Steubenville Stone Co., 435 Market St. Noted May 13.

✚**Toledo, Ohio**—The Atwood Automobile Co. has awarded the contract for the construction of a two-story, 100x175-ft., brick addition to its garage on Monroe St. to the SCHMIDT-HARDWOOD CO. Manfred M. Stophlet is Arch.

✚**Fort Wayne, Ind.**—The General Electric Co. of Indiana has awarded the contract for the construction of a five-story, 100x300-ft., brick warehouse to A. BENTLEY & SONS CO. Harris & Richards, Drexel Bldg., is Arch.

Detroit, Mich.—The Aluminum Casting Co. is receiving bids for the construction of a one-story, 120x160-ft., brick and reinforced-concrete machine shop, to cost $25,000. The Forest City Engineering Co., 512 Hippodrome Bldg., Cleveland, Ohio, is Arch.

Muskegon, Mich.—The Campbell, Wynant & Cannon Foundry Co. plans the construction of a 75x175-ft. addition to its plant at Sanford St. and McKinney Ave., Muskegon Heights.

Trumann, Ark.—The Trumann Cooperage Co. will build a $90,000 addition to its plant.

Salt Lake City, Utah—Plans have been prepared by Ware & Treganza, Arch., for the construction of a six-story, 50x115-ft. factory for the Purity Biscuit Co. Noted June 24.

Welland, Ont.—A 70x80-ft. addition will be built at the plant of the Canadian Billings Spencer Co. to cost, with equipment, $30,000.

FEDERAL GOVERNMENT WORK

★**Dredging**—Portland, Maine—Bids will be received until noon, Aug. 16, at the U. S. Engineer Office, Portland, for dredging in the St. Crois River.

✚**Pattern Shop**—Boston, Mass.—The contract has been awarded to the AMERICAN BRIDGE CO., Continental Bldg., Baltimore, Md., at $7375, for furnishing steel work for a pattern shop floor at the navy yard. Noted May 27.

Coal-Handling Equipment—Springfield, Mass.—Bids will be received until 2 p.m., Aug. 6, by the Commanding Officer, Springfield Arsenal, for furnishing and constructing coal storage and coal handling equipment.

★**Rebuilding Basin Walls**—Block Island, R. I.—Bids were received June 29 by Col. John Millis, Newport, for rebuilding basin walls and repairing the breakwaters at Block Island Harbor as follows: Estate of John Beattie, Leets Island, Conn., $9460 and E. S. Belden & Sons, Hartford, Conn., $9136 and $10,098. Noted June 3.

✚**Building**—New York, N. Y.—The contract has been awarded to the RIVERSIDE CONTRACTING CO., 39 Cortlandt St., New York, at $14,733, for constructing three one-story brick buildings at the Navy Yard, New York. Noted June 3.

✚✚**Breakwater**—Oswego, N. Y.—The contract has been awarded H. S. KERBAUGH, Inc., Buffalo, at $78,606, for constructing a concrete superstructure on the outer breakwater at Oswego Harbor. Noted June 3.

✚**Riprap**—Philadelphia, Penn.—The contract has been awarded to the COAST & LAKES CONSTRUCTION CO., New York, N. Y., at $16,680 for constructing riprap in the Delaware River at Artificial Island. Noted June 22 and July 15.

Building—Washington, D. C.—Bids were received as follows, July 13, by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of the new building for the Interior Department, Washington: Conners Bros. Co., New York, N. Y., $1,804,524; Irwin & Leighton, Philadelphia, Penn., $1,684,000; Boyle-Robertson Construction Co., Washington, D. C., $1,690,000; P. F. Gormley Co., Washington, $1,676,970; John Griffith & Son Co., Chicago, Ill., $1,913,000; A. L. Guidone & Son, New York, N. Y., $1,733,313; John W. Brady & Co., New York, N. Y., $1,690,000; John H. Parker Co., New York, N. Y., $1,622,487; Thompson-Starrett Co., New York, $1,675,000, including mechanical equipment, $1,915,000; George A. Fuller Co., New York, N. Y., $1,645,000; Cramp & Co., Philadelphia, Penn., $1,732,655; John Gill & Co., Cleveland, Ohio, $1,849,000; William Dall Co., Cleveland, Ohio, $1,797,000; Bing & Bing Construction Co., New York, N. Y., $1,988,700, including mechanical equipment. Mechanical equipment, excluding elevators: John W. Danforth Co., Buffalo, N. Y., $300,000; Thompson-Starrett Co., New York, N. Y., $280,000; William Gordon Corporation, New York, N. Y., $237,213; W. G. Cornell Co., Washington, D. C., $247,748; Standard Engineering Co., Washington, D. C., $248,850; L. K. Comstock & Co., New York, N. Y., $294,304; Walker & Chambers, New York, N. Y., $335,890; Hanley-Casey Mechanical Equipment Co., Chicago, Ill., $278,000; Crook-Kries Co., Baltimore, Md., $306,296; Chris Irving Plumbing Co., Denver, Colo., $598,600; Fitzpatrick & Hoepfner, Columbus, Ohio, $288,671; Isador Freund, Washington, $289,466; Lord Electric Co., New York, N. Y., $248,842; G. A. Kees Domestic Engineering Co., St. Paul, Minn., $318,746; S. Faith & Co., Philadelphia, Penn., $280,771. Elevator equipment: A. B. See Electric Elevator Co., Washington, D. C., $53,600; Kaestner & Hecht, Chicago, Ill., $58,565; Ohio Elevator & Machine Co., Columbus, Ohio, $82,400; Otis Elevator Co., Washington, D. C., $49,849; Gurney Elevator Co., New York, N. Y., $59,200.

★**Post Office**—Palatka, Fla.—Bids will be received until 3 p.m., Aug. 27, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing the U. S. post office at Palatka.

Levee—Vicksburg, Miss.—All bids received for 1,415,000 yd. of levee work at Ashbrook Neck levee have been rejected on account of being too high. Noted July 1.

✚**Levee Work**—Vicksburg, Miss.—The contract has been awarded by the U. S. Engineer Office to N. C. WILLIAMSON & CO., Vicksburg, at $0.1475 per yard for about 500,000 cu.yd. of levee work. Noted June 17.

Post Office—Opelika, Ala.—Bids were received July 14 by the Supervising Architect, Washington, D. C., for constructing a post office and court at Opelika as follows: J. S. Rogers Co., Moorestown, N. J., $101,990. Richardson Engineering and Construction Co., Bainbridge, Ga., $93,370. George W. Stiles Construction Co., Rookery Bldg., Chicago, Ill., $93,610. George Becking, Chattanooga, Tenn., $93,218. Algernon Blair, Montgomery, $85,971. Colonial Construction and Supply Co., Charlottesville, Va., $87,840. King Lumber Co., Charlottesville, Va., $98,900. Herman Construction Co., St. Louis, Mo., $105,000. Barnes Bros., Logansport, Ind., $100,000. George A. Clayton, Atlanta, Ga., $84,364. George A. Shaul, Seneca, Kan., $88,937. Westchester Engineering Co., White Plains, N. Y., $88,870. Burke's Construction Co., Hattiesburg, Miss., $94,973.99. W. H. Fissel & Co., New York, N. Y., $84,735. John G. Unkefer & Co., Minerva, Ohio, $94,315. Christ Kanzler & Sons, Evansville, Ind., $84,898. Thomas W. Cissel, Wooster, Ohio, $97,450. Callahan-Mandle Co., Chicago, Ill., $92,384.13. M. Yeager & Son, Danville, Ill., $93,586 and Dobbs & Wetmore, Meridian, Miss., $99,535. Noted June 10.

✚**Riprap**—Memphis, Tenn.—Contracts have been awarded to the ARNOLD STONE CO., Neely's Landing, Mo., at $4100 and C. C. HUTHMASHER, Grand Tower, Ill., at $9240 for riprap stone. Noted June 10.

✚**Stone**—Memphis, Tenn.—The contract has been awarded to the U. S. STONE CO., Little Rock, Ark., at $13,800, for furnishing stone. Noted Jnne 10.

Machine Tools—Rock Island, Ill.—Bids will be received until July 26 by the Commanding Officer, Rock Island Arsenal, for furnishing machine tools under Proposals 7, 20, 31 and 33.

Machine Tools—Rock Island, Ill.—Bids will be received until July 30 by the Commanding Officer, Rock Island Arsenal, under Proposals 17, 18, 19, 25 and 26 for machine tools.

★**Reclamation Work**—St. Ignatius, Mont.—Bids will be received until 3 p.m., Aug. 18, by the U. S. Reclamation Service, St. Ignatius, for constructing laterals and sublaterals on the Flathead project. A. P. Davis is Ch. Engr.

Post Office—Galveston, Tex.—Bids were received July 14 by the Supervising Architect, Washington, D. C., for remodeling the U. S. post office and custom house as follows: M. C. Bowden, Galveston, $7963.50. Frank M. Weakley, Portsmouth, Va., $8349. Dieter & Wenzel Construction Co., Wichita, Kan., $8273. O. E. Fischer Building Co., Galveston, $8985.75.

Radio Station Buildings—Isabel, Tex.—Bids will be received until 11 a.m., Aug. 28, by H. R. Stanford, Ch., Bureau of Yards and Docks, Navy Dept., Washington, D. C., for constructing buildings at the radio station.

★**Post Office**—Grand Junction, Colo.—Bids will be received until 3 p.m., Aug. 24, by James A. Wetmore, Act. Superv. Arch., Washington, D. C., for constructing the U. S. post office at Grand Junction.

Miscellaneous Supplies—Panama — Bids will be received until 10:30 a.m., Aug. 2, by Maj. F. G. Boggs, Gen. Pur. Agt., Panama Canal, Washington, D. C., for furnishing miscellaneous supplies.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Aug. 6, by Maj. F. G. Boggs, Gen. Pur. Agt., Panama Canal, Washington, D. C., for furnishing miscellaneous supplies.

★**Light Station**—Navassa Island, West Indies—Bids will be received until 2 p.m., Sept. 30, by the Bureau of Lighthouses, Dept. of Commerce, Washington, D. C., for constructing the Navassa Island light station.

MISCELLANEOUS

Enlarging Basin—Boston, Mass.—The following bids were received by the Harbor and Land Commissioners on July 14, for enlarging the anchorage basin in Lynn Harbor. J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., 29.4c. per cu.yd.; $10 per cu.yd. rock; Maryland Dredging & Contracting Co., Baltimore, Md., 30.9c.; $8; Bay State Dredging Co., Ltd., 247 Atlantic Ave., Boston, Mass., 34c.; $10. About 11,700 cu.yd. of material will be removed. William I. Williams, State House, Boston, is Ch. Engr.

Dredging—Boston, Mass.—Bids will be received until July 26 by the Metropolitan Park Commissioner for 15,000 cu.yd. of dredging in Aberjoria River. John R. Bablin, 14 Beacon St., is Ch. Engr.

Dredging—Boston, Mass.—Bids will be received until July 28 by the State Harbor and Land Commission for 57,000 cu.yd. of dredging in Wellfleet Harbor. William F. Williams, State House, Boston, is Ch. Engr.

Dock—Buffalo, N. Y.—Bids will soon be received by the New York Central R.R. for constructing a reinforced-concrete dock on the Buffalo River adjoining the dock of the Eastern Grain & Elevator Co. The estimated cost is $30,000.

Dredging—New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received by R. A. C. Smith, Comr., Docks and Ferries, for dredging in mill basin Jamaica Bay, from the Atlantic Gulf & Pacific Co., No. 13 Park Row, at 0.05c. per cu.yd., and the Maryland Dredging Co., at 0.10c. Noted July 15.

✚**Pier**—New York, N. Y.—(Borough of Brooklyn)—(Official)—The contract for building the pier at the foot of East 30th St. has been awarded to W. B. SEAVER, INC., Grand Central Terminal. Noted June 10 and 24.

Pier—New York, N. Y.—(Borough of Brooklyn)—(Official)—The following are the bids received by R. A. C. Smith, Comr., Docks and Ferries for building a pier near the foot of 35th St. (Borough of Brooklyn), Thomas H. Kerbaugh, Inc., $363,091; Foundation Co., $349,777; Phœnix Construction Co., $347,897; Stillman, Delahanty & Ferries Co., $333,878; G. B. Spearin, 90 West St., New York, $310,201; Henry Steers, $342,866.

Subway—New York, N. Y.—(Borough of Brooklyn)—The following are the unofficial totals of the bids received by the Public Service Commission for the construction of Section No. 1 of Route No. 49, a part of the Culver Rapid Transit R.R.: Post & McCord, Inc., 103 Park Ave., New York, $877,959; Phœnix Bridge Co., $894,000; A. L. Guidone & Son, Inc., $903,000; Cooper & Evans Co., $914,732; Rodgers & Hagerty, Inc., $924,933; Frawley-Kaufman Contracting Co., Inc., $926,000; Connex Engineering & Construction Co., $930,000; Oscar Daniels Co., $931,740; McClintic-Marshall Co., $947,358; Underpinning & Foundation Co., $947,410; Ft. Pitt Bridge Works, $959,000; Snare & Triest, Inc., $971,000. Noted July 1.

✚**Razing Buildings**—New York, N. Y.—(Borough of Brooklyn)—(Official)—The contract for the wrecking of eight buildings has been awarded to JACOB SCHUMER at his offer of $2387 to the Public Service Commission for the privilege. The contractor will receive all material used in the construction of these buildings. Noted July 8.

★**Subway**—New York, N. Y.—(Borough of Brooklyn)—(Official)—The following are the bids received by the Public Service Commission for track laying on the New Eutrcht Ave. elevated line: Ward & Tully, Inc., $71,355; Joseph A. McElroy, $75,183; W. F. Jordan, $78,525; Post & McCord, $82,639; Degnon Contracting Co., $85,105; Snare & Triest Co., $94,864; Connex Engineering & Construction Co., $99,414; Thomas Crimmins Contracting Co., $99,564; Jobson-Gifford Co., $100,516; Charles Cooper, $102,587; Holbrook, Cabot & Rollins Corporation and George W. McNulty, $103,781; Max Raymond, $111,616; Joseph J. Klein, $116,436; James S. Frazer, $118,217. Noted June 24.

Lumber—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until July 27 for furnishing and delivering lumber for the Departments of Charities, Water Supply, Gas and Electricity, Fire and Bellevue and Allied Hospitals.

Cement, Sand and Stone—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by R. H. C. Smith, Comr., Docks and Ferries, Pier A, Battery Pl., until noon, July 28, for furnishing and delivering cement, sand and broken stone.

Automobile Runabouts—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by Robert Adamson, Fire Comr., Municipal Bldg., New York, until 10:30 a.m., July 26, for furnishing and delivering 20 automobile runabouts.

Open-Hearth Rails—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received by the Public Service Commission for furnishing and supplying open-hearth rails for use on the construction of the Rapid Transit Railroads from the Bethelem Steel Products Co., at $1,202,126 and Lackawana Steel Co., $1,202,126. Noted July 8.

Drainage—Garfield, N. J.—The Board of Chosen Freeholders, Hackensack, N. J., has granted an appropriation of $12,000 to the borough of Garfield, for drainage and changing the course of the brook in the borough.

Cement, Traprock, Etc.—Jersey City, N. J.—Bids will be received until 2 p.m., July 27, by the Hudson County Park Commission, Jersey City, for 600 bbl. Alpha portland cement, 450 cu.yd. broken trap rock, 300 cu.yd. Cow Bay sand and 25 cu.yd. of coarse trap rock screenings. Walter G. Muirhead is Secy.

Cable—Jersey City, N. J.—Bids will be received until 2 p.m., July 27, by the Hudson County Park Commission, Jersey City, for furnishing 18,000 ft. of No. 8, steel-armored, 7500-volt park cable, delivered at Bayonne Park.

Pier—Chester, Penn.—The Philadelphia Suburban Gas & Electric Co. plans to erect a double deck pier at the foot of Norris St.

Elevated Railway—Philadelphia, Penn.—(Official)—Bids will soon be received by A. M. Taylor, Dir., Dept. of City Transit, for the construction of concrete column foundations and piers for about 26,000 lin.ft. of elevated railway in Front St., Kensington Ave. and Frankford Ave.

Piers—Philadelphia, Penn.—The next improvement to be undertaken by the Department of Wharves, Docks and Ferries, and the most important one yet projected from the standpoint of the modernization and expansion of the port, is the Moyamensing Pier Group planned to be located along the Delaware River waterfront between McKean and Hoyt Sts., South Wharves. This will consist of a group of 10 or 12 long, wide piers, ranging from 250 ft. in width by 900 ft. in length, to 300 ft. in width by 1200 ft. in length, with docks between them of about the same width as the piers. The first pier of the group will be at the foot of McKean St. and will be 250 ft. wide by 900 ft. long. It will be two stories high, provided with electrical lighting and mechanical freight handling equipment and will afford berthing space for four steamers at one time. Sunken car tracks will run on the pier for its whole length, and ample car storage space will be provided outside of the pier between its entrance and Delaware Ave. to guarantee prompt shifting service of cars in and out. Money is available for starting the construction of the McKean St. pier and work on the substructure will be started this summer. The completion of this first pier will be followed by the gradual carrying-out of the rest of the general plan for this section of the waterfront. Each one of these piers, with its equipment, is estimated to cost about $1,500,000, including property damages. The bids for the dredging of the site of the first of these piers follow that item. John Meigs is Dir., Dept. Wharves, Docks and Ferries. Noted June 10 and 24.

Dredging—Philadelphia, Penn.—Only two bids were receivd for dredging and preparing the sites for the Moyamensing piers at the foot of McKean St., Delaware River. The specifications call for the removal of 400,000 cu.yd. of material. The bidders were required to submit two separate prices, the first item (a) calling for dredging and depositing the material removed above high water mark in the city limits, the second (b) for dredging and delivering the material in front of the municipal rehandling machine at Cannon Ball Farm. The bidders were: American Dredging Co., (a) 14¼c., (b) 10¼c.; Bowers, Southern & Co., (a) 19c., (b) 14½c. Noted June 24.

Pier—Philadelphia, Penn.—Bids will be received by John Meigs, Dir., Department of Wharves, Docks and Ferries, until noon, Aug. 9, for constructing a pier in the Delaware River, between McKean St. and Snyder Ave. Noted June 24.

Bulkheads and Dredging—Philadelphia, Penn.—The City Council has granted the Dock Department permission to spend $67,000 for bulkheading the Schuylkill River and $50,000 for deepening the Delaware River channel.

✚**Channel**—Philadelphia, Penn.—The contract for the construction of a channel in the Delaware River, in the upper end of Philadelphia Harbor, has been awarded to the MARYLAND DREDGING & CONTRACTING CO., Baltimore, Md., at $199,200. Noted July 15.

River Improvement—Philadelphia, Penn.—The City Council has passed an ordinance for an allotment of $75,000 state funds for deepening and widening the ship channel between lower end of Cramp's shipyard and Port Richmond export pier, south of Allegheny Ave.

★**Plaza**—Philadelphia, Penn.—The lowest bid received by the Department of Public Works for constructing the South Broad St. plaza was from Edwin H. Vare, Philadelphia, at $123,565. Noted June 24.

✚**Tunnel**—Pittsburgh, Penn.—The contract for the construction of the Neeld tunnel to the South Hills, has been awarded to BOOTH & FLINN, LTD., 1942, Forbes St., Pittsburgh, at $1,347,018. The tunnel will be 4816, ft. long and 33 ft. wide of monolithic concrete. Noted May 27.

✚**Bank Protection**—Augusta, Ga.—The contract for repairs to bank protection on the Savannah River has been awarded to the SIMONS-MAYRANT CO., Charleston, S. C., at $17,275. Noted July 8.

✚**Drainage**—Bartow, Fla.—The contract for constructing about 142 miles of drainage ditches has been awarded by the Peace Creek Drainage District, to A. V. WILLS & SONS, Pittsfield, Ill., at 8.5c. per cu.yd. Noted June 17.

Levee—Greenville, Miss.—Bids will be received by W. L. Thompson, Ch. Engr., Mississippi Levee Commissioners, until Aug. 17 for levee work in Issaquena County. The estimated cost is $100,000.

Drainage—Lake Charles, La.—The Board of Commissioners of Sulphur Drainage District No. 2 have awarded the contract for excavating 180,000 cu.yd. to GRAY & ALEXANDER at about $16,000.

Wharves—New Orleans, La.—Bids will be received by Ernest M. Loeb, Pres. of Comrs., New Orleans Bldg., until 2 p.m., Aug. 11, for rebuilding the Julia St. wharf, and for extensions to Girod St. wharf. Plans may be obtained of J. Devereux O'Reilly, Engr., New Orleans Bldg., New Orleans. leans.

Speedway—New Orleans, La.—According to press reports an automobile speedway is to be constructed in New Orleans at a cost of $500,000. H. S. Moore and S. H. Lindsay, Chicago, are representing the owners.

+Drainage—Sulphur, La.—The Board of Commissioners of Sulphur Drainage District No. 2 has awarded the contract for the excavation of 180,000 cu.yd. of earth material in the district to GRAY & ALEXANDER, at $16,000.

Motor Truck—Cincinnati, Ohio—Bids will be received by Ernst Von Bargen, City Pur. Agt., City Hall, for furnishing one two-ton motor truck with special body.

Motor Apparatus—Cleveland, Ohio—Bids will be received by A. R. Callow, Comr. Purchases and Supplies, City Hall, until noon, July 29, for furnishing steam tractor fire engine, auto police patrol, and one steel hull for the fire boat, "Clevelander."

Motor Apparatus—Columbus, Ohio—Bids will be received by B. L. Bargar, Dir. of Pub. Safety, City Hall, until noon, Aug. 6, for furnishing two motor driven patrol vehicles for the police department.

+Piers and Coalbins—Youngstown, Ohio—The Lake Erie & Eastern Ry. has awarded the contract for the construction of nine piers and eight coal bins at Pike St. to BYERS & CHAIG, New Castle, at $15,000.

Levee—East St. Louis, Ill.—According to press reports the lowest bid submitted for the construction of an earth levee was from John & Patrick Keeley, at 36c. per cu.yd. Noted June 24.

Drainage—Grand View, Wis.—It is reported that the White River Drainage District has been organized for the purpose of draining 20,000 acres of swamp land. Adolph Habelt, Grand View ,is interested.

Drainage—Urbana, Ill.—Bids will be received by the County Clerk until 10 a.m., July 29, for the construction work in District No. 17.

+Ditches—Three Lakes, Wis.—The contract for constructing about 11 miles of open ditches has been awarded to SCHULTZ & BIECY, Clarion, Iowa. Noted June 3.

Ditches—Marshall, Minn.—Bids will be received by E. S. Shepard, County Audr., until July 26 for constructing Ditches Nos. 13, 15 and 16. The estimated cost is about $82,000.

Ditches—Slayton, Minn.—Bids will be received until July 27 by E. V. O'Brien, County Audr., for constructing the following ditches: No. 9, length, 28,285 ft.; cost, $9015; No. 9A, length, 43,800 ft.; cost, $12,250; No. 45, length, 16,000 ft.; cost, $4360; No. 5, length, 23,835 ft.; cost, $8563.

Elimination of Grade Crossing—Kansas City, Mo.—The contract for the construction of the subway under the Missouri Pacific Ry. tracks on Van Horn boulevard has been awarded to KIT COLYER at $26,000. Noted Mar. 4.

+Drainage—Pine Bluff, Ark.—The contract for constructing about 13 miles of drainage canals in District No. 5 has been awarded to McWILLIAMS BROS., Memphis, Tenn., at about $28,000. Noted Apr. 29.

Drainage—North Yakima, Wash.—It is reported that bids will be received by Charles E. Barrett, County Audr., until July 31 for constructing a system of open and closed drains in Drainage Improvement District No. 25.

Motor Fire Apparatus—Seattle, Wash.—Bids will soon be received by the Board of Public Works for furnishing motor fire apparatus.

Improvements to Telephone System—Portland, Ore.—The Pacific Telephone & Telegraph Co., Portland, will spend $19,000 for improvements to its system.

Mausoleum—Glendora, Calif.—The Oakdale Cemetery Co. plans to erect a reinforced-concrete mausoleum in Oakdale Cemetery. The estimated cost is $75,000. Lyman Farwell, Story Bldg., Los Angeles, is Arch.

+Oil Tanks—Martinez, Calif.—The Shell Refinery, Los Angeles, has awarded the contract for the construction of 26 oil tanks to the LLEWELLYN IRON WORKS, Los Angeles, at $250,000.

+Pier—San Francisco, Calif.—The Board of State Harbor Commissioners has awarded a contract for the repairing of Pier No. 11 to the HEALY-TIBBITTS CONSTRUCTION CO. at $14.281. Noted July 15.

+Cable and Alarm Boxes—Montreal, Que.—The city has awarded the contract for furnishing cable and alarm boxes to the NORTHERN ELECTRIC CO., 814 Notre Dame St., West, Montreal, at $48,000.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous"

Andover, Mass.—Plans are being prepared by Charles R. Greco, 8 Beacon St., for the construction of a parochial school to cost $50,000.

Boston, Mass.—A nine-story, 92x105-ft., brick apartment block will be built for Snider & Druker, 18 Tremont St. Clapp & Wihtemore, 20 Beacon St., is Arch.

+Boston, Mass.—J. EDWARD McLEAN, 10 Faneul Hall Sq., has been awarded the contract for the construction of a two-story addition to Boston College. Kendall, Taylor & Co., 93 Federal St., is Arch.

+Burlington, Mass.—The contract for the construction of a three-story, 40x75-ft. town hall has been awarded to CUSTANCE BROS., Lexington, Mass. Loring & Phipps, 53 State St., Boston, Mass., is Arch. The estimated cost is $45,000.

Jamaica Plain, Mass.—(Boston post office)—Yervant Kayanjian will build a $50,000 brick store and office building. H. S. Demoorjani, State Mutual Bldg., Worcester, Mass., is Arch.

+North Easton, Mass.—The contract for the construction of a $70,000 brick school has been awarded to J. P. HURLEY, Marlboro, Mass.

Springfield, Mass.—The Cohasset Hotel Co. has been incorporated with a capital of $600,000 and will build a hotel at the corner of Dwight and Worthington St. Clifford A. Tinker is Arch.

Springfield, Mass.—Albert Karp and F. E. Bidwell will build an $85,000 hotel. B. Hammett Seabury is Arch.

Waltham, Mass.—(Official)—Bids will be received until Aug. 15 by James F. Monaghan, Arch., Room 401, 79 Milk St., Boston, Mass., for the construction of a one-story, 65x195-ft. brick church for St. Charles Congregation. The estimated cost is $80,000. Noted July 1.

Albany, N. Y.—The St. Vincent de Paul's Congregation plans to construct a three-story convent on Morris St. near Partridge St. Estimated cost, $50,000. The construction of a parochial school on Madison Ave. and Ontario St. is also contemplated. Estimated cost, $175,000. Noted Apr. 15.

Allegany, N. Y.—The Trustees of St. Bonaventure College plan to construct a building. Work will be started in the fall. Estimated cost, $100,000.

Buffalo, N. Y.—The Cleveland-Buffalo Transit Co., 1290 West 11th St., Cleveland, Ohio, plans to construct a freight and passenger terminal building at Michigan Ave. and the Buffalo River. M. Newman is Pres.

Buffalo, N. Y.—The Board of Education plans to construct a school on Walden Ave. between St. Louis Ave. and Moselle St. The estimated cost is $50,000.

+Harriman, N. Y.—The JERSEY CITY CONSTRUCTION CO., 75 Montgomery St., Jersey City, N. J., has been awarded the contract for the construction of a high and grade school on Main St. Estimated cost, $40,000. Noted under Harrison, N. J., July 8.

New York, N. Y.—(Borough of Manhattan)—Herman Lee Meader, Arch., 2 West 33rd St., is preparing plans for the construction of a 12-story store and loft building at 7 East 39th St. and through to 10 East 38th St., adjoining the Craftsman Bldg. The estimated cost is $250,000. Leslie R. Palmer, 68 William St., is interested. Noted June 17.

New York, N. Y.—(Borough of Manhattan)—Abraham Lincoln Levin, 103 Park Ave., has purchased a site on 86th St., between Columbus and Amsterdam Ave., upon which to construct a 12-story fireproof apartment house. The estimated cost is $700,000.

New York, N. Y.—(Borough of Manhattan)—George Backer, 56 West 45th St., has purchased a site at Madison Ave. from 31st to 32d St. upon which to construct a 16-story mercantile building.

New York, N. Y.—(Borough of Manhattan)—Neville & Bagge, Arch., 105 West 40th St., is preparing plans for the construction of a 12-story, 100x110-ft. apartment house on West End Ave. and 99th St. for the McMorrow Engineering & Construction Co., 271 West 125th St. The estimated cost is $400,000. Noted June 10.

New York, N. Y.—(Borough of Manhattan)—Bids are being received by Katherine B. Davis, Comr., Dept. of Correction, Municipal Bldg., New York, for the construction of a one-story concrete and brick disciplinary building on the east side of Shore Drive near Main St. on Rikers Island. F. B. & A. Ware, 1170 Broadway, is Arch. The estimated cost is $64,000.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Arthur Loomis Harmon, Arch., 3 West 29th St., for the construction of a 16-story loft building at Madison Ave. and 38th St., on the site of the Havemeyer mansion, for August Heckscher, 576 Fifth Ave. The estimated cost is $550,000. Noted June 10.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received for the construction of additions and alterations to Public School No. 3 on Grove St. between Hudson and Bedford St., as follows: J. Kresse Co., 52 Vanderbilt Ave., $43,400; H. C. Stowe Construction Co., Academy and Vermylia Ave., $49,746; T. A. Clarke Co., 122 Livingston St., Brooklyn, $57,700; William H. Egan, Lexington Ave. and 125th St., $59,959; Frymier & Hanna Co., 25 West 45th St., $54,468; John J. Hearn Construction Co., 69 West 46th St., $51,541; H. H. Vought & Co., Grand Central Terminal, $58,862; Lawrence J. Rice, 42nd St. and Lexington Ave., $52,993; Frank J. Felgenhauer Co., Inc., 4 Court Sq., Brooklyn, $51,873. Noted July 1.

Onondago, N. Y.—Bids recently received by Lewis F. Pilcher, State Arch., Capitol, Albany, for the constructon of a school and teacher's cottage at the Onondago Indian Reservation have been rejected. New bids will soon be received.

Port Chester, N. Y.—Bids will be received until 8 p.m., July 30, by Clarence D. Camp, Clk., Bd. of Education, for the construction of a three-story high school on Irving Ave. The estimated cost is $120,000. Hewitt & Bottomley, 597 Fifth Ave., New York, is Arch. Noted May 13 and July 1.

Rochester, N. Y.—Maurer & Mills, Arch., 1338 Schofield Bldg., is preparing plans for the construction of a church for the Dewey Avenue Presbyterian Church. Estimated cost, $55,000.

Rochester, N. Y.—Bids are being received by W. J. Brackett, Arch., Power Blk., for the construction of a three-story Labor Temple at North Fitzhugh and Church St. for the Labor Temple Association, Arcade Bldg. The estimated cost is $90,000. Noted June 17.

Syracuse, N. Y.—Abraham Rubenstein has purchased a site on West Fayette St. between South Clinton and South Franklin St. upon which to construct a store and apartment building, to cost about $50,000.

+Syracuse, N. Y.—(Official)—The PHELAN ENGINEERING & CONSTRUCTION CO., Second National Bldg., Hoboken, N. J., at $290,778 has been awarded the contract for the construction of the Vocational High School. Noted June 24 and July 15.

Valley Stream, N. Y.—Plans are being prepared by Ludlow & Peabody, Arch., 101 Park Ave., New York, for the construction of a two-story home for wayward girls at the Wayside Home, 356 Bridge St., Brooklyn. Mrs. Homer A. Lattin is Pres.

White Plains, N. Y.—Bids will be received about Aug. 1 by the Westchester County Building Commission for the construction of a county penitentiary and workhouse at East View. The estimated cost is $500,000. Alfred Hopkins, Arch., 101 Park Ave., New York, prepared the plans. Noted May 20.

Burlington, N. J.—C. W. Oakley & Son, Arch., 280 North Broad St., is preparing plans for the construction of a building for the New Jersey Grand Lodge F. and A. M. The estimated cost is $40,000. T. B. Townley, Elizabeth, is Secy.

Camden, N. J.—Plans are being prepared by Moffett & Stewart, Arch., for the construction of a five-story office building on Market St. for the John H. Heaton Piano Co. The estimated cost is $70,000.

Camden, N. J.—Plans are being prepared by Custer & Seltzer, Arch., for the construction of a hotel. The estimated cost is $65,000.

Jersey City, N. J.—On July 12 the city sold $439,000 in bonds to be used for the construction of schools in Jersey City.

Newark, N. J.—Plans have been prepared by Kallich & Lubroth, Arch., 215 Montague St., Brooklyn, N. Y., for the construction of a four-story apartment house on Mt. Pleasant Ave. near Oriental St. for Joseph Moshkowitz, 5305 Fifth Ave., Brooklyn, N. Y. Estimated cost, $100,000.

Paterson, N. J.—Plans have been approved by the congregation of the Church of the Covenant for the construction of an edifice at Broadway and East 27th St. The estimated cost is $100,000. Lee & Hewitt, 1123 Broadway, New York, N. Y. is Arch. Noted May 27.

Weehawken, N. J.—Hyman Rosenthal, Arch., 800 Broad St., Newark, has prepared plans for the construction of a five-story, 117x125-ft. apartment house at Liberty St. and Hudson County Blvd. for S. M. Adelman, 229 Bergenline Ave., Union. The estimated cost is $100,000.

Ben Avon, Penn.—(Allegheny post office)—The Odd Fellows plan to construct an orphanage at Ben Avon to cost about $50,000.

Dormont, Penn.—Plans have been prepared by J. A. Long & Son, Benedum-Trees Bldg., Pittsburgh, for the construction of a three-story, 65x100-ft. store and lodge building for the South Hills Association. Estimated cost, $55,000. Frank Ryman is Pres. Noted June 10.

Lansford, Penn.—(Official)—The time for receiving bids has been extended from Aug. 2 to Aug. 9 for the construction of a fireproof high school. John T. Simpson, 1224 Essex Bldg., Newark, N. J., and Tooker & Marsh, 101 Park Ave., New York, N. Y., are Assoc. Archs. and Engrs. The estimated cost is $150,000.

Muncy, Penn.—Bids were received June 30 by Frank Smith, Secy. of Comn., Harrisburg, for the construction of four cottages and an administration building for the industrial home at Muncy, as follows: Loose & Dothead, Philadelphia, $224,250; George A. Fuller Co., Philadelphia, $199,150; Shamokin Lumber & Mfg. Co., $205,000; Henry E. Baton, Philadelphia, $203,597; George Borst, Philadelphia, $221,882; F. Rowe Searing, Philadelphia, $204,890; F. H. Keyser & Co., Pottstown, $209,700; Ketcham & McQuade, Philadelphia, $211,420; Metzger & Fisher, Philadelphia, $178,500; Conners Bros. Co., Lowell, Mass., $194,450; Samuel L. Larivee, Williamsport, $207,000; Edward Fay & Son, Philadelphia, $183,930; James V. Bennett & Co., Williamsport, $218,716; Beard Construction Co., Reading, $222,236. Noted June 24.

Oxford, Penn.—Plans have been prepared by Roscoe C. Tindall, Arch., Equitable Bldg., Wilmington, Del., for the construction of a two-story theater for Joseph G. Crowl. The estimated cost is $40,000.

Philadelphia, Penn.—The Pennsylvania R.R. has had plans prepared for the construction of an immigrant station at Washington Ave. and the Delaware River. The estimated cost is $70,000. Alex. C. Shand is Ch. Engr.

Philadelphia, Penn.—The lowest bid received for the construction of a school at Sixth St. and Hunting Park Ave. was submitted by Wilbert Beaumont, at $52,735.

✚Philadelphia, Penn.—The contract for the construction of additions and alterations to the office and store building at Juniper and Chestnut St. for the Weighman Estate has been awarded to JAMES S. TALLEY, 1931 Market St., Philadelphia. Estimated cost is $60,000.

Philadelphia, Penn.—Bids will soon be received for the construction of a six-story, 65x188-ft. loft building at 315-19 Arch St. Sauer & Hahn, 1112 Chestnut St., is Arch. Noted June 10.

Philadelphia, Penn.—Harris & Rush, Arch., 1001 Chestnut St., is preparing plans for the construction of a four-story fireproof building at 1607-15 Christian St. for the Y. M. C. A.

Philadelphia, Penn.—Plans are being prepared by Frederick Webber, Arch., Morris Bldg., for the construction of a 12-story apartment house at 235-45 South 15th and Locust St. The estimated cost is $800,000. Noted Mar. 11.

✚Philadelphia, Penn.—(Official)—WILLIAM R. DOUGHERTY, 1608 Sansom St., Philadelphia, at $68,229 has been awarded the contract for the construction of a school at Second, Pike and Sanger St. Noted July 1.

Philadelphia, Penn.—The Franklin National Bank, Broad and Chestnut St., plans to construct a three-story bank and a 20-story office building at 1416-18 Chestnut St. Estimated cost, $1,000,000. McKim, Mead & White, 101 Park Ave., New York, N. Y., is Arch.

✚Philadelphia, Penn.—(Official)—CRAMP & CO., Denckla Bldg., Philadelphia, at $278,056 has been awarded the contract for the construction of a three-story school at 65th St. and Lime Kiln Pike, East Germantown. Noted July 1, 18 and 15.

✚Pittsburgh, Penn.—GOLDEN & CRICK has been awarded the contract for the construction of a brick dormitory and dining-room on Troy Hill Rd., North Side, for St. Joseph's Orpham Asylum. The estimated cost is $45,000.

Pittsburgh, Penn.—Arrangements are under way to construct a laboratory at Sandusky St. and Parkway, North Side, to be operated in connection with the Allegheny General Hospital. The estimated cost is $400,000.

Pittsburgh, Penn.—Plans are being prepared by John T. Comes, Arch., Renshaw Bldg., for the construction of a church at Fifth Ave. and Robinson St. for St. Agnes congregation. The estimated cost is $80,000. Noted June 24.

Pittsburgh, Penn.—Plans have been prepared by John T. Comes and John E. Kauser, Archs., Renshaw Bldg., for the construction of a church on Mission St. for St. Joseph's congregation. The estimated cost is $40,000.

Baltimore, Md.—Joseph Evans Sperry, Arch., 409 Calvert Bldg., is preparing plans for the construction of a three-story engineering building, for the Johns Hopkins University, at Homewood. Estimated cost, $150,000.

Baltimore, Md.—Plans are being prepared by [illegible] & Allen, Arch., for the construction of a mechanical [illegible]oratory addition to Johns Hopkins Medical School, on Mon[illegible]ent St. Estimated cost, $50,000.

Washington, D. C.—The American Federation of L[illegible]or will construct a building to cost about $150,000.

Washington, D. C.—A. M. Schneider Co., Arch., [illegible]ve prepared plans for the construction of a six-story, [illegible]x200-ft. apartment house at Adams Mill and Quarry Rd., N. W., for Harry Wardman. The estimated cost is $500,000.

Washington, D. C.—Plans have been prepared by Hunter & Bell, Arch., 1421 H St., N. W., for the construction of a seven-story apartment house at 2129 Connecticut Ave., N. W., for Bates Warren. The estimated cost is $400,000. Noted Jan. 14.

✚Petersburg, Va.—The contract for the construction of a hotel on West Tabb St. for the Petersburg Investment Corporation has been awarded to the FULTON BRICK WORKS, Richmond, at $21,000. Noted Apr. 15.

Staunton, Va.—The First Presbyterian Church plans to construct a school to cost about $50,000.

Madison, W. Va.—Bids will be received until Aug. 10 by Elmer Nelson, Clk. of Boone County Court, for the construction of a courthouse. H. Rus Warne, Charleston, is Arch.

Moundsville, W. Va.—The congregation of St. Francis Xavier will construct a church. The estimated cost is $75,000.

Parkersburg, W. Va.—The Chamber of Commerce has introduced a plan to finance the construction of a market house, convention hall and armory. Estimated cost, $60,000.

Parkersburg, W. Va.—Bids will be received about Aug. 11 for the construction of a high school. Frank L. Packard, 1212 Hayden Bldg., Columbus, Ohio, is Arch. Noted Apr. 15.

Triadelphia, W. Va.—Bonds to the amount of $125,000 have been sold by the Board of Education. The proceeds will be used for the construction of a school. S. S. Jacobs is Dist. Supt.

Wheeling, W. Va.—The Commissioners of Ohio County will construct an infirmary. The estimated cost is $100,000.

Durham, N. C.—The Board of County Commissioners plans to construct a courthouse on the site of the Arcade Theater and the Rigsbee property. The estimated cost is $150,000. George W. Woodward is City Clk.

Wilmington, N. C.—J. H. Hinton plans to construct a 14-story hotel on the Orton property.

Augusta, Ga.—According to press reports a building will be constructed to be known as the Georgia State Hospital for Cripples. The estimated cost is $100,000. Minnie B. Allyn is interested.

Macon, Ga.—Bids will be received about Sept. 1 for the construction of a union station for the Southern Ry. and the Central of Georgia Ry. The estimated cost is $800,000. Noted Apr. 1.

Palm Beach, Fla.—The East Coast Club Co. plans to construct a clubhouse and other improvements, to cost about $300,000.

Seabreeze, Fla.—(Official)—Bids will be received about Sept. 15 by the Board of Public Instruction of the County of Volusia for the construction of a two-story school. The estimated cost is $45,000. Mark & Sheftall, 210 Clark Bldg., Jacksonville, is Arch. Noted July 8.

Meridan, Miss.—The East End Methodist Congregation plans to construct a church to cost about $50,000. William B. Hogg is Pastor.

✚Vicksburg, Miss.—H. H. HAVIS, Vicksburg, has been awarded the contract for the construction of a telephone exchange building at Crawford St. and Monroe Blvd. for the Cumberland Telephone Co. Estimated cost, $40,000.

Alexandria, La.—The State Board of Health is planning to construct a tuberculosis hospital 10 miles south of Alexandria.

Lebanon, Tenn.—The members of the F. and A. M. contemplate the construction of an office and lodge building. The estimated cost is $75,000.

Memphis, Tenn.—Bids have been received by C. C. Ogilvie, Supt. of the Goodwyn Institute, and are being considered by the Commissioners, for the construction of a seven-story addition and improvements to the present auditorium. Estimated cost, $125,000. Noted June 24.

✚Morristown, Tenn.—WILLIAM H. BOSTWICK, Johnson City, has been awarded the contract for the construction of a hotel on Main St. The estimated cost is $40,000. J. C. Mitchell and L. V. Rader are interested.

Lexington, Ky.—The Building Committee of the Broadway Christian Church plans to construct an edifice. The estimated cost is $75,000.

Akron, Ohio—Bids will be received until Aug. 1 by B. L. Bargar, Secy., State Armory Bd., New Hayden Bldg., Columbus, for the construction of an armory and auditorium on South High St. The estimated cost is $165,000. Harpster & Bliss, Nantucket Bldg., is Arch. Noted June 10 and July 8.

Canton, Ohio—Frank A. Luther plans to construct a two-story store and office building on Second St., N. E. The estimated cost is $40,000.

Cincinnati, Ohio—Bids will soon be received by the Board of Education for the construction of the East Hills High School. The estimated cost is $1,000,000. Garber & Woodward is Arch. Noted Mar. 4.

Cincinnati, Ohio—The Board of Education will construct two school buildings in the West End of Cincinnati. Charles Handman is Business Mgr.

Cincinnati, Ohio—Harry Hake, Arch., Bell Telephone Bldg., is preparing plans for the construction of an office building at Court and Main St. for the Title Guarantee & Trust Co.

Cleveland, Ohio—M. Schallhiem, 8021 Cedar Ave., plans the construction of a commercial building at Oakview Ave. and Eddry Rd. Estimated cost, $50,000.

Cleveland, Ohio—Plans have been prepared by Koehl & Rensslaer, Arch., 906 Park Bldg., for the construction of an addition to the Parish of St. Rose, at Detroit Ave. and West 116th St. Estimated cost, $40,000.

Cleveland, Ohio—William S. Lougree, Arch., Marshall Bldg., has prepared tentative plans for the construction of a 16-story fireproof office building on the site of the Republic Bldg., 647 Euclid Ave. for Arthur M. Brown and Philip Brown, Newcastle, Penn. The estimated cost is $2,000,000.

Cleveland Heights, Ohio—(Warrensville post office)—Bids will be received until noon, Aug. 6, by Ezra K. Bryan, Clk., Bd. of Education, Cleveland Heights Village School Dist., Lee Rd., Cleveland Heights, for the construction of a grade school at Fairfax, Scarborough and Lee Rd. Franz C. Warner, 767 Hippodrome Bldg., Cleveland, is Arch. Noted July 1.

Columbus, Ohio—An election will be held Aug. 10 to vote on the question of issuing $150,000 in bonds. The proceeds will be used for the construction of a workhouse, shops, powerhouse, barns, storehouses and other necessary buildings. George J. Karb is Mayor.

Columbus, Ohio—Plans are being prepared by Tressett & Bassett, Arch., for the construction of a recreation building at Schiller Park, Columbus. Estimated cost, $40,000.

Dayton, Ohio—The Directors of the Miami Conservancy District will construct an office building at Monument Ave. and Jefferson St. opposite Van Cleave Park. The building will be used as offices by the engineers, appraisers, clerks and staff to be employed on the construction of the proposed $18,000,000 dry reservoir system. Edward A. Deeds is Chn.

Defiance, Ohio—The Members of Deflance Lodge B. P. O. E. No. 147 contemplate the construction of a two-story building. The estimated cost is $60,000.

Elyria, Ohio—The Lorain County Banking Co. will construct a 10-story fireproof bank and office building on the N. L. Johnson Blk. A. B. Taylor is Pres. and A. J. Plocher is Secy.

Ironton, Ohio—Bids will soon be received for the construction of a hotel. The estimated cost is $100,000. T. J. Kennedy is Secy. of Bldg Com. and W. H. St. Clair, Charleston, W. Va., is Arch. Noted June 10.

✚**Newburg, Ohio**—(Cleveland post office)—The contract for the construction of a temple on Miles Park Ave. for the Newburg Masonic Temple Co. has been awarded to the SAMUEL W. EMERSON CO., Chamber of Commerce Bldg., Cleveland. W. J. Carter, 1423 Illuminating Bldg., Cleveland, is Arch. Estimated cost, $70,000. Noted May 6 and June 3.

Toledo, Ohio—Contracts will be awarded about Sept. 15 for the construction of a six-story, 56x67-ft. apartment hotel for the Scottwood Realty Co. Estimated cost, $100,000. Noted June 10.

Wyoming, Ohio—Plans have been prepared by Garber & Woodward, Arch., 2803 Union Central Bldg., Cincinnati, for the construction of a two-story grade school addition. The estimated cost is $50,000.

Evansville, Ind.—Bids are being received and contracts will be awarded about Aug. 1 by the Directors of the Vanderburg County Coliseum for the construction of a $250,000 coliseum. Charles P. Beard is Secy., Bd. of Dirs. Noted Mar. 25 and Apr. 8.

✚**Franklin, Ind.**—The contract for the construction of buildings at the State Masonic Home for the Grand Masonic Lodge of Indiana has been awarded to the STATE CONSTRUCTION CO. OF INDIANAPOLIS, at $140,779. Noted May 6 and 27.

Indianapolis, Ind.—Contracts will soon be awarded for the construction of a six-story brick and steel business building at South Meriden St. for John B. Bright & Son, 221 East Maryland St. The estimated cost is $100,000.

✚**Lafayette, Ind.**—The contract for the construction of a two-story veterinary building for Purdue University, has been awarded to the WILLIAM P. JUNGSCLAUS CO., Indianapolis, at $40,000. Noted June 24.

SEWER SYSTEM—DOWNINGTOWN, PENN.

✚Bids were received June 7 by the Borough Council for the construction of a sewer system from: (A) Engineer's Estimate, (B) Polock & Lewis, Downingtown, (C) Edwin H. Vare, Philadelphia, (D) John A. Clark, Wilmington, Del., (E) Martin, Miller & Pizzimenti, Caldwell, N. J., (F) Frank X. Hinden, Lancaster, (G) W. H. Johnson, Philadelphia, (H) F. E. Gross, Yonkers, N. Y., (I) Jones & Haggart, Pittsburgh, (J) Dabbs & Meyers, Laurel, Md., (K) Thomas E. Dwyer, Philadelphia, (L) M. & T. E. Farrell, West Chester, (M) Cantrell Construction Co., Philadelphia, (N) GEORGE C. SOUDER, Lancaster (awarded contract). The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
18-in. terra cotta pipe 4 ft. deep	$1.00	$0.96	$0.91	$1.00	$0.85	$0.78	$0.95	$1.20	$1.12	$1.00	$0.73	$8.45	$0.86	$0.72
618 lin.ft. 18-in. terra cotta pipe, 4 to 6 ft. deep	1.40	1.08	1.00	1.20	0.93	0.80	0.97	1.20	1.29	1.10	0.85	0.95	1.10	0.79
700 lin.ft. 18-in. terra cotta pipe, 6 to 8 ft. deep	1.50	1.24	1.11	1.35	1.00	0.85	1.15	1.20	1.43	1.20	1.11	1.05	1.28	1.88
1500 lin.ft. 18-in. terra cotta pipe, 8 to 10 ft. deep	1.60	1.56	1.26	1.55	1.23	0.91	1.35	2.00	1.57	1.50	1.21	1.24	1.47	0.98
1500 lin.ft. 15-in. terra cotta pipe, 4 to 6 ft. deep	1.00	0.72	0.81	0.90	0.62	0.72	0.78	0.80	1.12	0.80	0.97	0.705	0.85	0.60
490 lin.ft. 15-in. terra cotta pipe, 6 to 8 ft. deep	1.25	0.87	0.92	1.05	0.72	0.77	0.90	1.25	1.26	1.00	0.89	0.79	1.00	0.69
15 in. terra cotta pipe, 8 to 10 ft. deep per lin.ft.	....	1.20	1.07	1.25	0.95	0.82	1.25	1.60	1.40	1.30	1.01	0.915	1.39	0.78
15-in. terra cotta pipe, 10 to 12 ft. deep per lin.ft.	....	1.65	1.15	1.50	1.25	0.87	1.50	2.00	1.54	1.50	1.25	1.08	1.72	1.02
12-in. terra cotta pipe, 0 to 4 ft. deep per lin.ft.	....	0.47	0.51	0.65	0.45	0.53	0.55	0.60	0.91	0.60	0.73	0.48	0.56	0.43
1070 lin.ft. 12-in. terra cotta pipe, 4 to 6 ft. deep	0.60	0.57	0.60	0.70	0.48	0.55	0.60	0.60	0.98	0.70	0.73	0.57	0.68	0.44
12 in. terra cotta pipe, 6 to 8 ft. deep, per lin.ft.	0.80	0.71	0.67	0.82	0.65	0.60	0.80	0.90	1.12	0.90	0.99	0.65	0.78	0.53
460 lin.ft. 12-in. terra cotta pipe 8 to 10 ft. deep	1.00	0.95	0.80	1.00	0.78	0.69	0.93	1.00	1.26	1.10	1.27	0.82	1.00	0.63
12-in. terra cotta pipe, 10 to 12 ft. deep per lin.ft.	.....	1.44	0.83	1.25	1.00	0.78	1.25	1.90	1.40	1.40	1.61	0.92	1.36	0.85
12-in. terra cotta pipe, 12 to 15 ft. deep per lin.ft.	.....	2.30	1.11	1.70	1.50	0.93	1.65	3.25	1.55	1.60	2.51	1.10	1.95	1.10
3290 lin.ft. 10-in. terra cotta pipe, 4 to 6 ft. deep	0.60	0.51	0.53	0.57	0.45	0.47	0.45	0.55	0.94	0.60	0.45	0.49	0.55	0.40
110 lin.ft. 10-in. terra cotta pipe, 6 to 8 ft. deep	0.70	0.65	0.60	0.70	0.60	0.57	0.60	0.65	1.08	0.75	0.69	0.57	0.72	0.48
10-in. terra cotta pipe, 8 to 10 ft. deep per lin.ft.	.....	0.93	0.72	0.86	0.80	0.62	0.85	1.00	1.22	0.90	0.99	0.68	0.89	0.58
10-in. terra cotta pipe, 10 to 12 ft. deep per lin.ft.	.....	1.38	0.82	1.06	1.10	0.69	1.00	1.50	1.36	1.20	1.61	0.79	1.31	0.81
10-in. terra cotta pipe, 12 to 15 ft. deep per lin.ft.	.....	2.30	1.04	1.50	1.40	0.84	1.25	3.00	1.51	1.50	2.51	1.00	1.88	1.05
19,632 lin.ft. 8-in. terra cotta pipe, 4 to 6 ft. deep	0.40	0.41	0.46	0.49	0.41	0.43	0.35	0.40	0.68	0.50	0.37	0.38	0.46	0.33
12,657 lin.ft. 8-in. terra cotta pipe, 6 to 8 ft. deep	0.50	0.52	0.60	0.59	0.49	0.56	0.46	0.50	0.82	0.65	0.53	0.48	0.60	0.41
1973 lin.ft. 8-in. terra cotta pipe, 8 to 10 ft. deep	0.80	0.78	0.65	0.70	0.65	0.76	0.70	0.65	0.96	0.75	0.97	0.60	0.82	0.52
300 lin.ft. 8-in. terra cotta pipe, 10 to 12 ft. deep	1.50	0.93	0.75	0.90	0.91	0.75	0.90	1.00	1.10	1.00	1.01	0.75	1.18	0.75
8-in. terra cotta pipe, 12 to 14 ft. deep	.....	1.20	0.95	1.20	1.30	0.89	1.20	2.75	1.23	1.25	1.51	0.93	1.57	1.00
2 18-in. Y-branches	.....	2.50	3.14	1.55	1.50	2.11	1.00	1.00	2.40	1.00	1.97	2.00	1.70	1.20
2 15-in. Y branches	.....	1.65	2.31	1.15	1.00	1.51	0.80	1.00	1.57	0.75	1.31	1.50	1.15	1.00
4 12-in. Y branches	.....	1.10	1.55	0.90	0.75	1.05	0.65	0.75	1.17	0.50	1.05	1.25	0.75	0.75
20 10-in. Y branches	.....	0.65	1.44	0.75	0.50	0.88	0.50	0.60	1.04	0.45	1.81	1.00	0.60	0.60
1025 8-in. Y branches	.....	0.60	1.17	0.50	0.40	0.68	0.35	0.40	0.78	0.40	0.51	0.75	0.40	0.44
11 Lampholes	12.00	13.10	16.85	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	8.00	10.30
144 plain manholes	40.00	40.00	51.00	40.00	35.00	30.00	43.00	32.00	40.00	35.00	43.50	48.00	41.00	35.50
1 flush manhole	55.00	75.00	80.00	60.00	55.00	74.00	55.00	75.00	60.00	40.00	75.00	73.00	80.00	50.00
Drop manhole	50.00	75.00	51.00	42.00	45.00	32.00	50.00	75.00	50.00	40.00	60.00	82.00	50.00	38.00
5 catch buckets	4.50	6.00	6.00	4.50	3.00	4.50	4.00	3.00	5.00	15.00	5.00	4.00	6.00	4.80
7 flush tanks	65.00	75.00	100.00	85.00	75.00	94.00	75.00	95.00	75.00	75.00	75.00	100.00	105.00	88.00
5 house connections	0.35	0.45	0.40	0.50	0.45	0.32	0.45	0.80	0.75	0.40	0.60	0.60	0.60	0.50
196 lin.ft. 8-in. c.i. pipe, 4 to 6 ft. deep	✓ 1.50	1.71	1.71	1.54	2.71	1.08	2.55	1.30	1.46	1.50	1.37	1.28	1.01	1.47
108 lin.ft. 8-in. c.i. pipe, 6 to 8 ft. deep	✓ 1.80	1.84	1.85	1.64	2.79	1.21	2.66	1.40	1.60	1.65	1.53	1.38	1.15	1.55
416 lin.ft. 12-in. c.i. pipe, 4 to 6 ft. deep	✓ 2.00	2.27	2.10	3.05	3.23	2.18	3.35	2.05	2.44	2.20	2.40	2.32	1.61	2.14
15-in. per lin.ft.	.....	1.81	1.75	3.00	3.00	3.09	3.25	2.00	1.74	2.00	2.25	2.25	1.42	2.40
192 lin.ft. 18-in. c.i. pipe, 4 to 6 ft. deep	✓ 3.00	2.89	3.00	4.95	4.93	4.28	4.57	3.70	3.53	3.35	3.35	3.95	2.77	3.29
Extended totals	$34,207	$34,009	$37,472	$37,572	$31,923	$32,080	$33,333	$33,012	$46,707	$36,777	$33,825	$32,972	$36,010	$27,231

Muncie, Ind.—Bids will be received until July 30 by F. M. Williams, County Audr., for the construction of a two-story, 36x100-ft. infirmary building. Estimated cost, $40,000. C. H. Houck is Arch. Noted June 24 and July 1.

Muncie, Ind.—The Ball Bros. Glass Mfg. Co. plans to construct a two-story office building which will cost about $75,000.

Detroit, Mich.—Crowley, Milner & Co., Gratiot and Monroe Ave., plans to construct an eight-story fireproof addition on Monroe Ave. The estimated cost is $400,000. Albert Kahn, 58 Lafayette Blvd., is Arch.

Grand Rapids, Mich.—The Compau Square Bldg. Co. plans the construction of a 10-story fireproof building to be used as a furniture exposition and commercial building on Pearl and Louis St. and Campau Ave. The estimated cost is between $450,000 and $500,000.

Kalamazoo, Mich.—The Trustees of the Kalamazoo State Hospital plan to construct a three-story building as a home for employees of the hospital. Estimated cost, $74,000. Wenette, Bradfield, Mead & Co., Grand Rapids, is Arch.

Marquette, Mich.—The First Church of Christ, Scientist, plans to construct a church. Estimated cost, $50,000.

Saginaw, Mich.—The Bancroft Realty Co. will construct a six-story hotel to replace the Bancroft House. The estimated cost is $650,000.

Bensenville, Ill.—The Northern District of the German Evangelical Synod, Champaign, has decided to construct a home for the aged at Bensenville. Estimated cost, $50,000.

Chicago, Ill.—Plans have been prepared by Henry L. Newhouse, Arch., 4630 Prairie Ave., for the construction of a two-story theater and lodge building on Ashland Ave. for Nathan Ascher. Estimated cost, $90,000.

Chicago, Ill.—Charles H. Kusel plans to construct a theater, store and apartment building at Montrose Ave. and North Lincoln St. The estimated cost is $150,000.

Macomb, Ill.—The members of the Board of Trustees of the Western Illinois State Normal School plan the construction of a building for the school of Manual Arts on the campus. The estimated cost is $95,000.

Oblong, Ill.—L. H. Osterhage, Arch., Vincennes, Ind., is preparing plans for the construction of a township high school. The estimated cost is $60,000.

Milwaukee, Wis.—The Directors of St. Catherine's Home, 1131 Sycamore St., plan to construct a four-story home on the present site. Estimated cost, $65,000. James J. Quinn is Chn. of Bldg. Com.

Milwaukee, Wis.—Plans are being revised by Brust & Philipp, Arch., 506 Free Press Bldg., for the remodeling and improving of the Merrill Bldg., at Second St. and Grand Ave. The estimated cost is $150,000. Noted Apr. 8.

Montello, Wis.—Bids will soon be received for the construction of a two-story courthouse and jail. The estimated cost is $50,000. Parkinson & Dockendorff, La Crosse, is Arch. Noted June 24.

Neenah, Wis.—Plans are being prepared by Edward Bergstrom, Arch., Los Angeles, Calif., for the construction of a fireproof hotel for the Merchants & Manufacturers' Hotel Co. The estimated cost is $75,000. Frank J. Sensenbrenner is Pres.

Alta, Iowa—At a recent election the citizens voted in favor of the question of isuing $55,000 in bonds; proceeds to be used for the construction of a school. Noted June 17.

Charter Oak, Iowa—At a recent election the citizens voted in favor of the question of issuing $50,000 in bonds, the proceeds of which will be used for the construction of a school.

Des Moines, Iowa—The Grocers Wholesale Co. plans to construct a three-story building estimated to cost $50,000.

Grinnell, Iowa—Plans have been prepared for the construction of a building for the Alumni Association at Grinnell College. The estimated cost is $150,000.

✚Imogene, Iowa—G. W. SPRAGUE & SON, Omaha, Neb., has been awarded the contract for the construction of a church at Imogene to cost about $45,000.

Iowa City, Iowa—Contracts will be awarded about Aug. 24 by the State Board of Education for the construction of a four-story dental building at Iowa University. The estimated cost is $175,000. Noted Jan. 14.

✚Primghar, Iowa—(Official)—Bids were received June 15 by J. B. Stamp, County Audr., for the construction of a court house for O'Brien County as follows: C. E. Atkinson, Webster City, $117,936; Bankers Realty Investment Co., Omaha, Neb., $114,995; J. P. Cullen Construction Co., Janesville, Wis., $121,000; L. W. Dumas, Jr., Construction Co., Columbia, Mo., $122,649; E. Eilenberger & Co., Chicago, Ill., $130,421; J. B. Evans Construction Co., Mexico, Mo., $126,600; Charles Franklin, Iowa City, $125,000; Gray Construction Co., Watertown, S. D., $121,641; A. Cuthrie & Co., St. Paul, Minn., $118,990; J. H. Hunzinger & Co., Burlington, $139,430; G. A. Johnson & Son, Chicago, Ill., $127,550; King Lumber Co., Charlottesville, Va., $127,700; William S. Kingsley, Faribault, Minn., $117,000; La Crosse Steel & Construction Co., La Crosse, Wis., $122,852; J. E. LOVEJOY, Des Moines, $116,550 (awarded contract); W. F. Mitchell, Des Moines, $122,000; J. B. Nelson Construction Co., Mankato, Minn., $123,948; O. H. Olsen, Stillwater, Minn., $117,280; William O'Neill & Son, Faribault, Minn., $129,747; Splady, Albee & Smith, Minneapolis, Minn., $117,450; A. M. Wold Construction Co., Brookings, S. D., $116,600. Noted May 27.

✚Woodward, Iowa—(Official)—The BAILEY-MARSH CO., Minneapolis, Minn., at $230,602 has been awarded the contract for the construction of buildings at the State Colony for Epileptics. Other bidders were: T. Eilenberger & Co., Chicago, Ill., $244,000; C. E. Atkinson, Webster City, Iowa, $257,354; George J. Grant Construction Co., St. Paul, Minn., $279,987; A. H. Neumann & Co., Des Moines, Iowa, $281,449; J. W. Turner Improvement Co., Des Moines, Iowa, $294,825; J. B. Evans Construction Co., Mexico, Mo., $242,786; Splady, Albee & Smith, Minneapolis, Minn., $239,984. M. N. Voldeng is Supt. Noted June 14 and July 8.

✚Little Falls, Minn.—The general contract for the construction of a hospital has been awarded to N. P. FRANZEN, St. Paul, at $50,000. Noted June 17.

Minneapolis, Minn.—The Board of Directors of the Salvation Army contemplates rebuilding its industrial home recently destroyed by fire. Estimated cost, $100,000.

St. Paul, Minn.—The Brown, Treacy & Sperry Co., Fifth and Minnesota St., will construct a two-story, 100x150-ft. concrete and glass building on University and Wheeler Ave. The estimated cost is $100,000.

LINCOLN ST. TRUNK SEWER—PORT ANGELES, WASH.

✚Bids were received June 29 for the construction of the Lincoln St. Trunk Sewer from (A) METTLER & COIT (awarded contract), (B) Zindorf & Lidral, (C) Grant Shearer, (D) Ferch & Gass, (E) Dicken & Anderson, (F) H. A. Cotton, (G) E. M. More, (H) C. Kuppler. The item bids were as follows:

	A	B	C	D	E	F	G	H
370 lin.ft. vitrified clay sewer pipe, 8-in.	$0.36	$0.32	$0.42	$0.75	$0.40	$0.38	$0.35	$0.37
370 lin.ft. vitrified clay sewer pipe, 10-in.	.53	.47	.60	.90	.60	.53	.40	.53
370 lin.ft. vitrified clay sewer pipe, 12-in.	.66	.59	.69	1.00	.65	.66	.60	.70
1310 lin.ft. vitrified clay sewer pipe, 15-in.	1.15	1.03	1.25	1.50	1.20	1.17	1.40	1.10
430 lin.ft. vitrified clay sewer pipe, 18-in.	1.54	1.39	1.66	1.75	1.55	1.55	1.40	1.63
570 lin.ft. vitrified clay sewer pipe, 21-in.	2.05	1.82	2.20	2.25	2.25	2.05	1.70	2.20
2670 lin.ft. vitrified clay sewer pipe, 24-in.	2.54	2.25	2.65	2.50	2.50	2.70	2.75	2.75
220 lin.ft. vitrified clay sewer pipe, 30-in.	5.26	4.60	5.35	4.50	5.50	5.61	4.35	4.96
370 lin.ft. cement sewer pipe, 8-in.	.20	.30	.25	....	....	....	....	....
370 lin.ft. cement sewer pipe, 10-in.	.27	.41	.35	....	....	....	....	....
370 lin.ft. cement sewer pipe, 12-in.	.34	.50	.40	....	....	....	....	....
1310 lin.ft. reinforced concrete pipe, 15-in.	.93	....	1.00	....	....	....	....	....
430 lin.ft. reinforced concrete pipe, 18-in.	1.16	....	1.20	....	....	....	....	....
570 lin.ft. reinforced concrete pipe, 21-in.	1.66	....	1.75	....	....	....	....	....
2670 lin.ft. reinforced concrete pipe, 24-in.	1.89	....	1.99	2.75	....	....	....	....
220 lin.ft. reinforced concrete pipe, 30-in.	3.13	....	3.25	3.75	....	....	....	....
225 lin.ft. c.i. pipe including excavation and backfilling, 18-in.	4.00	5.00	4.50	5.00	5.00	7.00	3.50	....
220 lin.ft. one ring brick sewer, 30 in.	4.00	2.80	4.00	2.50	3.00	3.00	5.00	3.50
25 brick manholes 4½ ft. x 8 ft.	40.00	65.00	55.00	80.00	50.00	60.00	40.00	45.00
76 lin.ft. additional depth of m.H.	4.00	6.80	5.00	3.00	5.00	6.00	4.00	8.00
1 brick flush tank	100.00	100.00	100.00	130.00	100.00	100.00	90.00	100.00
31 brick catch basin	40.00	55.00	55.00	60.00	50.00	60.00	40.00	45.00
12 cu.yd. reinforced concrete in saddles and outfall	12.00	25.00	15.00	16.00	20.00	25.00	15.00	20.00
400 lin.ft. lumber cradle to carry sewer on trestle	.85	.70	.90	.50	1.25	1.30	1.25	1.00
Storm sewer overflow (lump sum)	30.00	25.00	35.00	40.00	75.00	50.00	50.00	100.00
75 lin.ft. trenching and backfilling for 6-in. to 12-in. pipe, 10 ft. deep	.46	.48	.55	.75	.75	.42	1.22	.51
300 lin.ft. trenching and backfilling for 6-in. to 12-in. pipe, 12 ft. deep	.65	.60	.75	.90	.75	.55	1.24	.70
400 lin.ft. trenching and backfilling for 6-in. to 12-in. pipe, 14 ft. deep	.78	.63	.80	1.05	.75	.70	1.27	.78
250 lin.ft. trenching and backfilling for 6-in. to 12-in. pipe, 16 ft. deep	.98	.86	1.00	1.30	.75	.90	1.37	.98
85 lin.ft. trenching and backfilling for 6-in. to 12-in. pipe, 18 ft. deep	1.17	1.03	1.25	1.50	.75	1.14	1.52	1.25
160 lin.ft. trenching and backfilling for 15-in. to 18-in. pipe, 6 ft. deep	.33	.34	.40	.45	.80	.32	1.17	.33
75 lin.ft. trenching and backfilling for 15-in. to 18-in. pipe, 8 ft. deep	.39	.48	.43	.60	.80	.42	1.27	.50
375 lin.ft. trenching and backfilling for 15-in. to 18-in. pipe, 10 ft. deep	.52	.61	.60	.75	.80	.59	1.47	.70
420 lin.ft. trenching and backfilling for 15-in. to 18-in. pipe, 12 ft. deep	.72	.76	.72	.90	.80	.76	1.57	.85
485 lin.ft. trenching and backfilling for 15-in. to 18-in. pipe, 14 ft. deep	.87	.93	.87	1.15	.80	1.00	1.62	1.10
225 lin.ft. trenching and backfilling for 15-in. to 18-in. pipe, 16 ft. deep	1.17	1.08	1.25	1.50	.80	1.25	1.67	1.35
100 lin.ft. trenching and backfilling for 21-in. to 24-in. pipe, 6 ft. deep	.39	.40	.42	.60	1.00	.34	1.32	.45
250 lin.ft. trenching and backfilling for 21-in. to 24-in. pipe, 8 ft. deep	.52	.59	.55	.75	1.00	.51	1.42	.70
200 lin.ft. trenching and backfilling for 21-in. to 24-in. pipe, 10 ft. deep	.63	.74	.70	.90	1.00	.66	1.57	1.00
700 lin.ft. trenching and backfilling for 21-in. to 24-in. pipe, 12 ft. deep	.78	.92	.80	1.10	1.00	.90	1.67	1.45
800 lin.ft. trenching and backfilling for 21-in. to 24-in. pipe, 14 ft. deep	.98	1.13	1.05	1.25	1.10	1.20	1.82	2.00
490 lin.ft. trenching and backfilling for 21-in. to 24-in. pipe, 16 ft. deep	1.24	1.33	1.30	1.50	1.10	1.52	2.07	2.20
200 lin.ft. trenching and backfilling for 21-in. to 24-in. pipe, 18 ft. deep	1.37	1.58	1.50	2.00	1.10	1.80	2.17	2.80
100 lin.ft. trenching and backfilling for 21-in. to 24-in. pipe, 26 ft. deep	3.64	2.70	4.00	2.50	3.00	3.20	2.32	3.00
50 lin.ft. trenching and backfilling for 30-in. pipe, 14 ft. deep	1.17	1.29	1.25	1.30	3.50	1.38	2.32	2.00
70 lin.ft. trenching and backfilling for 30-in. pipe, 16 ft. deep	1.50	1.49	1.70	1.50	3.00	1.75	2.62	2.50
100 lin.ft. trenching and backfilling for 30-in. pipe, 18 ft. deep	1.76	1.79	1.85	1.70	3.00	2.20	3.02	3.00
Extended totals	$30,268	$30,863	$32,314	$34,213	$32,335	$33,660	$35,090	$33,996

Kansas City, Kan.—The Kansas City Terminal Ry. Co. plans to construct a terminal station. The estimated cost is $200,000.

Newton, Kan.—The Trustees of the M. E. Church contemplate the construction of a church. The estimated cost is $45,000.

Salina, Kan.—The congregation of the First Methodist Church plan to construct a new building. The estimated cost is $40,000.

Omaha, Neb.—A medical and surgical hospital will be constructed at 25th and Douglas St. at cost of about $150,000. Michael J. Ford will be in charge of the hospital.

Butte, Mont.—Bids will soon be received for the construction of a four-story, 65x100-ft. fireproof building for the Knights of Columbus. The estimated cost is $125,000. Link & Haire, 615 State Savings Bank Bldg., is Arch.

Butte, Mont.—The Directors of St. James Hospital plan to improve the hospital by constructing an additional story to the building. Estimated cost, $60,000.

Miles City, Mont.—(Official)—Bids will be received until 7:30 p.m., Aug. 12, by J. B. Collins, Clk. of School Dist. No. 1, for the construction of an addition to the high school. Estimated cost, $60,000. Noted June 3 and July 8.

White Sulphur Springs, Mont.—Plans have been prepared by H. H. Johnson, Arch., Great Falls, for the construction of a three-story, 175x185-ft. hotel. The estimated cost is $100,000. A. F. Conrad, Great Falls, is interested.

Boonville, Mo.—H. H. Hohenschild, Arch., Navarre Bldg., St. Louis, is preparing plans for the construction of two buildings for the State Reformatory. The estimated cost is $200,000. Cornelius Roach, Jefferson City, is State Secy.

Carterville, Mo.—An election will soon be held to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for the construction of a tuberculosis sanitarium for Jasper County.

Kansas City, Mo.—The American Institute of Homeopathy plans to construct a hospital and school of medicine. The estimated cost is $1,000,000.

Kansas City, Mo.—H. F. Hall and F. G. Crowell plan to construct a business building at 1533 Walnut St. The estimated cost is $75,000.

Kansas City, Mo.—The Morbros Investment Co. plans to construct a six-story, 117x170-ft. business building at 201 East 22d St. The estimated cost is $65,000.

✚**Kansas City, Mo.**—The Baltimore Avenue Investment Co. has awarded the contract for the construction of a nine-story reinforced-concrete hotel at 1114 Baltimore Ave. to FRED H. CRITES, at $65,705. J. H. Martling, 15 West Ninth St., is Arch. Noted June 24.

✚**St. Joseph, Mo.**—The contract for the construction of an eight-room fireproof addition to the Hosea School at Gordon and Hyde Park Ave. has been awarded to HACKETT & SIMPSON, at $40,302. Noted June 10 and 24.

College Station, Tex.—Contracts will soon be awarded for the constructionof an agricultural building at the Agricultural and Mechanical College. The estimated cost is $100,000. W. B. Bizzell is Pres.

Corsicana, Tex.—An election will soon be held to vote on the question of issuing $50,000 in bonds. The proceeds will be used for the construction of a hospital for Navarro County.

Dallas, Tex.—Bids were received by the Board of Education on the general contract for the construction of the Lamar School on Corinth and Gould St., as follows: Hewett & Hilner, $52,697; Gowin & Stearman, $51,000; Ennison & McCord, $54,789; Hughes-O'Rourke, $59,189; Buchanan & Gilder, $50,990; Watson Co., $56,890; Gilsonite Co., $57,600; W. H. King, $52,756.

El Paso, Tex.—The citizens of El Paso County will vote Aug. 3 on the question of issuing $750,000 in bonds. The proceeds will be used for the construction of an addition to the hospital, and for a poor farm.

El Paso, Tex.—Hugh W. Crouse and others plan to construct an eight-story, reinforced-concrete medical building at Oregon and Missouri St. Estimated cost, $200,000.

Huntsville, Tex.—Endress & Watkin, Arch., Austin, has been commissioned by the State Normal Board to prepare plans for the construction of a science building at the Sam Houston Normal School.

Palestine, Tex.—On July 2 the citizens voted in favor of the question of issuing $100,000 in bonds. The proceeds will be used for the construction of a high school. Noted June 17.

San Antonio, Tex.—Bids will be received about Aug. 1 for the construction of a four-story reinforced-concrete and brick hospital to be known as the Robert B. Green Memorial. The estimated cost is $250,000. Atlee B. Ayres and Reuter & Harrington are Archs.

✚**Tulsa, Okla.**—The contract for the construction of a two-story library has been awarded to THOMAS O'KEEFE, Tulsa, at $51,438. J. W. Hawk, Ohio Bldg., is Arch. Noted Mar. 11.

Idaho Springs, Colo.—Plans have been prepared for improving the Idaho Springs Hotel. The estimated cost is $100,000. C. L. Simpson, 619 Dwight Bldg., Kansas City, Mo., is Arch.

Salt Lake City, Utah—The Salt Lake Security & Trust Co. will construct a 17-story building at First, South and Main St. on the site of the Utah State National Bank. The estimated cost is $1,200,000. F. E. McGurrin is Pres. and Joseph J. Cannon is Secy.

Aberdeen, Wash.—Ralph L. Phillbrick and associates plan to construct a business block on Eighth St. between J and I St. The estimated cost is $150,000.

Bellingham, Wash.—Plans are being prepared by T. F. Doan, Arch., for the construction of an addition to the North Side High School. The estimated cost is $95,000. Noted June 24.

Hoquiam, Wash.—Ralph L. Philbrick is interested in a project to construct a business building on Eighth St., between J and L St. The estimated cost is $150,000.

Seattle, Wash.—Somerville & Putnam, White Bldg., is preparing plans for the construction of a three-story, 60x120-ft. brick hotel for F. E. Welty, New York Blk. The estimated cost is $50,000. Noted Mar. 18.

Spokane, Wash.—Plans have been prepared by Julius Zittel, Arch., The Rookery, Spokane, for the construction of a three-story brick and stone nunnery for the Franciscan Monastery of St. Clare. Estimated cost, $60,000. Noted June 10.

Vancouver, Wash.—Plans have been prepared by D. Nichols, Arch., for the construction of a School for the Blind. Estimated cost, $75,000. Noted June 10.

Portland, Ore.—Bids have been received for the Franklin High School as follows: James S. Winters, Couch Bldg., $74,897; John Almeter, Builders' Exchange, $83,600; Parker & Banfield, $83,222; Sound Construction Co., Lowman Bldg., Seattle, $82,332. Noted May 20.

✚**Los Angeles, Calif.**—(Official)—The HUNTSBERGER-REED CO., 414 Van Nuys Bldg., Los Angeles, at $48,636, has been awarded the contract for the construction of a two-story high school on Rowan Ave. Other bids were: Barber-Bradley Construction Co., $49,378; Cresmer Mfg. Co., $49,980; Frank R. May, $49,300; Broadway Construction Co., $50,975; J. T. Atkinson, $51,000. Noted June 3 and July 1.

Los Angeles, Calif.—W. J. Bliesner, Arch., Van Nuys Bldg., is preparing plans for a gymnasium at the Polytechnic High School. The estimated cost is $40,000.

✚**Los Angeles, Calif.**—The general contract for the construction of a school has been awarded to the BROADWAY CONSTRUCTION CO., 235 East Washington St., at $80,070.

✚**Los Angeles, Calif.**—The contract for the construction of a school at First and Vermont St. has been awarded to the LOS ANGELES PLANING MILL CO., Los Angeles, at $95,987. Noted June 3 and 24.

Oakland, Calif.—The Southern Pacific Co. will construct a station at 13th and Franklin St. The estimated cost is $1,250,000.

Sacramento, Calif.—The city plans to construct a two-story concrete and brick Carnegie library at Ninth and I St. The estimated cost is between $75,000 and $100,000.

Susanville, Calif.—(Official)—Bids will be received until Aug. 2 by W. W. Sharp, County Treas. and Tax Collector, for the construction of a courthouse and county hospital. The estimated cost is $100,000. George E. Bassett is County Clk. Noted May 20 and June 24.

Visalia, Calif.—The city plans to expend about $50,000 for the construction of a municipal auditorium.

✚**Woodland, Calif.**—The Board of Education has awarded the contract for the construction of a grammar school to ROBERT TROST, at $68,534. Noted Nov. 19.

London, Ont.—Work will soon begin on the construction of a hotel and business block at London. The estimated cost is $250,000.

✚**Vancouver, B. C.**—PURDY & HENDERSON, Henry Bldg., Seattle, Wash., has been awarded the contract for the construction of a three-story reinforced-concrete bank building at Pender and Granville St. for the Merchants Bank of Canada. Estimated cost, $150,000. Noted Apr. 8.

✚**Victoria, B. C.**—The contract for the construction of a two-story office building has been awarded to TUNEY BROS., Victoria. Estimated cost, $75,000. Percy Fox is Arch.

PAVING, ELGIN, ILL.

✚Bids were received June 26 by the Board of Local Improvements, Elgin, Ill., for paving North State St. from: (A) LOGAN & GIERTZ CONSTRUCTION CO., Elgin, for Purington block (awarded contract); (B) same company, using Barr block; (C) Illinois Hydraulic Stone & Construction Co., Elgin; (D) H. G. Goelitz, Oak Park; (E) Engineer's Estimate. The item bids were as follows:

	A	B	C	D	E
12,062 sq.yd. brick pavement	$1.75	$1.77	$1.84	$1.82	$1.90
3593 lin.ft. curb and gutter	.50	.50	.44	.44	.55
2895 lin.ft. curb	.30	.30	.38	.38	.40
298 lin.ft. concrete header	.20	.20	.20	.30	.35
26 crosswalk headers	2.00	2.00	1.50	2.00	2.00
16 gutter plates	3.00	3.00	2.50	3.00	3.00
9 catch basins	30.00	30.00	20.00	25.00	25.00
170 lin.ft. 8-in. sewer	.50	.50	.30	.60	.60
Adjusting manholes and catch basins (lump sum)	41.90	40.66	50.00	50.00	50.00
Extended totals	$24,360	$24,600	$25,310	$25,240	$26,673

Case Co. Increasing Facilities—The J. I. Case Threshing Machine Co., Racine, Wis., has taken over the plant and equipment of the Perfection Road Machinery Co. of Galion, Ohio. This company made Perfection road graders, drags, and rooter plows, for a number of years, which have been sold during the last few years by the Case Co. Frank K. Bull, President of the company, in referring to the transaction, says: "The demand made for road graders has impressed the company, and it has been deemed wise to take over the actual production of this machinery because it will be more economical to concentrate all manufacturing at Racine, as the business can be handled much better from that point." He outlined the logical development of the company from purely as a threshing machine company to an important factor in the road machinery business.

The Sandusky Portland Cement Co. will move its general offices on Aug. 1 from Sandusky to Cleveland, Ohio. The headquarters of the secretary and treasurer, etc., are already at Cleveland, and will be combined with the offices of the president and general superintendent and the sales, publicity and accounting departments. The offices will be located in the Engineers Bldg.

The Bayonne Casting Co., East Tenth St., Bayonne, N. J., announces that J. F. McNamara has been appointed general manager, effective July 1. Such changes have been made in the foundry and office as will assure customers even more prompt and satisfactory service than in the past.

SEWER EXTENSIONS—SCARSDALE, N. Y.

Bids were received June 22 by the Sewer Commissioners of Scrasdale, for the construction of sewer extension, Divisions A, B and C, from (A) William R. Neely, Tarrytown, (B) FRED E. GROSS & SON, Yonkers (awarded contract for Divisions A and B); (C) Sound Engineering & Contracting Co., Inc., 1476 Broadway, New York, (D) Lincoln Steele Fleming Co., 17 Madison Ave., New York; (E) Charles Smith, Pelham; (F) F. A. Cianfaglione, Yonkers; (G) Briggs & McLaughlin Contracting Co., 337 East 134th St.; (H) Richards & Cestonia, White Plains; (I) DALY & MERRITT, Po[illegible]ches-ter (awarded contract for Division C); (J) Frank [illegible]ppe, White Plains; (K) Joseph Dimando, Inc., Mamaron[illegible], L.I.; John L. Hayes Construction Co., Inc., Yonkers; (M) [illegible]nan & Del Balso, 2336 Cambrelling Ave., New York; (N) [illegible]uro Paradiso, White Plains; (O) Charles E. Farrell Con[illegible]ting Co., 1831 Southern Blvd., New York; (P) Engineers' Es[illegible]mate. The item bids were as follows:

DIVISION A	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
100 lin.ft. 10-in. vitrified sewer 6 ft. to 8 ft. deep, inc. 8 ft.	$0.55	$0.80	$0.58	$0.74	$0.72	$0.65	$1.00	$0.79	$1.00	$1.20	$0.90	$0.74	$0.85	$1.[illegible]	[illegible].95
450 lin.ft., 8 ft. to 10 ft. deep, inc. 10 ft.	.70	.94	.75	.96	.95	.76	1.00	.95	1.09	1.35	1.00	.88	1.50	1.[illegible]	1.15
340 lin.ft., 8-in. vitrified sewer 6 ft. deep or less	.40	.56	.43	.55	.54	.55	1.00	.55	.91	.70	.80	.60	.85	1.[illegible]	.70
400 lin.ft., 6 ft. to 8 ft. deep, inc. 8 ft.	.50	.69	.48	.65	.68	.60	1.00	.65	1.01	.85	.90	.69	1.00	1.[illegible]	.80
1300 lin.ft., 8 ft. to 10 ft. deep, inc. 10 ft.	.60	.80	.65	.88	.90	.75	1.00	.77	1.10	1.05	.95	.83	1.50	1.[illegible]	1.00
600 lin.ft., 10 ft. to 12 ft. deep, inc. 12 ft.	.75	1.10	.80	1.23	1.35	.90	1.50	1.10	1.25	1.30	1.00	1.02	1.75	1.[illegible]	1.25
100 lin.ft., 12 ft. to 14 ft. deep, inc. 14 ft.	.93	1.65	.95	1.40	2.00	1.15	1.50	1.50	1.70	1.55	1.20	1.18	2.00	1.7[illegible]	1.60
10 lin.ft., 14 ft. to 16 ft. deep, inc. 16 ft.	1.15	2.30	1.30	2.00	3.00	1.50	2.00	2.00	2.00	1.95	1.60	1.43	2.00	1.[illegible]	2.00
20 Ys on 10 ft. sewer (over sewer price)	.55	.55	.75	.47	.75	.80	.40	1.00	1.00	.70	1.00	1.68	1.00	[illegible]	.80
90 Ys on 8 ft. sewer (over sewer price)	.40	.45	.63	.35	.60	.60	.30	.75	.90	.65	.70	1.12	1.00	.50	.60
6 Y-extensions (over Y-price)	.80	1.90	1.43	1.25	.30	.50	.60	1.00	1.00	1.50	1.45	1.88	.50	.25	2.00
5 additional 2-ft. pcs. 6-in. pipe	.80	.28	.20	.34	.30	.40	.25	1.50	.40	.60	.50	.28	1.00	.25	.50
12 ft. 10-in. iron pipe sewer (over vitrified price)	1.00	.90	1.12	.92	1.50	3.50	2.00	3.00	1.50	1.15	.80	3.60	1.00	.55	.80
36 ft. 8-in. iron pipe sewer (over vitrified price)	.70	.70	.92	.69	1.25	2.75	2.00	2.50	1.35	.90	.75	3.00	.75	.55	.60
1 manhole, 6 ft. deep or less	30.00	38.00	49.00	45.00	37.00	30.00	45.00	45.00	40.00	42.00	40.00	35.00	35.00	60.00	45.00
9 manholes, 6 ft. to 8 ft. deep, inc. 8 ft.	40.00	45.00	59.00	48.00	42.00	35.00	50.00	50.00	45.00	52.00	50.00	44.00	40.00	65.00	60.00
22 ft. manholes, depth over 8 ft. (necks)	4.00	3.50	3.80	3.75	8.00	3.00	4.00	5.00	5.00	2.50	3.00	4.00	4.00	11.00	4.00
2 spurs in manholes, 6-in.	3.00	.60	.32	.37	.40	.30	.25	.50	2.00	.50	4.00	.25	1.00	.45	.60
2 sewer drop connections, 8-in.	10.00	7.00	7.88	10.00	6.00	.45	5.00	5.00	25.00	12.00	10.00	6.50	15.00	7.00	10.00
1 lamphole on 8-in. sewer	8.00	8.00	24.95	8.53	10.00	7.00	15.00	15.00	50.00	10.00	15.00	7.50	20.00	9.00	10.00
1 flush-tank, inc. lh.	75.00	80.00	140.00	90.00	90.00	40.00	95.00	110.00	110.00	85.00	90.00	190.00	150.00	150.00	85.00
800 yd. rock excavation	3.00	2.25	3.00	3.20	2.70	2.90	3.00	2.50	3.50	2.65	3.00	3.15	3.00	2.70	3.00
Contingent Extras															
10 yd. concrete not shown on details	6.00	5.75	6.00	6.00	7.00	6.00	5.00	6.00	7.00	7.00	8.00	6.00	5.00	10.00	8.00
25 M. ft. b.m. sheeting and shoring left in	38.00	30.00	35.00	20.00	25.00	40.00	1.00	45.00	5.00	30.00	40.00	40.00	30.00	45.00	35.00
1 M ft. b.m. flooring or foundation lumber	35.00	35.00	35.00	40.00	30.00	40.00	30.00	60.00	35.00	30.00	40.00	40.00	30.00	45.00	40.00
500 ft. b.m. forms for concrete	35.00	35.00	35.00	90.00	60.00	50.00	30.00	60.00	35.00	35.00	40.00	40.00	10.00	15.00	30.00
100 yd. earth excavation not included otherwise	0.35	0.90	0.50	1.50	0.70	0.75	0.70	.40	.60	.50	.50	.66	.75	1.00	.80
Extension of Division A															
500 lin.ft. 8-in. vitrified sewer, 6 ft. deep or less	.40	.56	.43	.55	.54	.55	1.00	.55	.91	.70	.80	.60	1.00	.05	.70
440 lin.ft., 6 ft. to 8 ft. deep, inc. 8 ft.	.50	.69	.48	.65	.68	.60	1.20	.65	1.01	.90	.85	.69	1.50	1.15	.80
200 lin.ft., 8 ft. to 10 ft. deep, inc. 10 ft.	.60	.80	.65	.88	.90	.75	1.40	.79	1.10	1.30	.85	.83	1.75	1.25	1.00
10 lin.ft., 10 ft. to 12 ft. deep, inc. 12 ft.	.75	1.10	1.20	1.23	1.35	.90	1.60	1.10	1.25	1.40	1.00	1.02	2.00	1.50	1.25
70 Ys on 8-in. sewer (over sewer price)	.40	.45	.63	.35	.75	.60	1.30	.75	.90	.65	.70	1.12	1.00	.65	.60
108 lin.ft. 8-in. iron pipe sewer (over vitrified price)	.70	.60	.92	.69	1.25	2.75	3.00	2.00	1.35	.90	.75	3.00	1.00	.60	.60
3 manholes 6 ft. deep or less	30.00	38.00	49.00	45.00	37.00	30.00	35.00	45.00	40.00	42.00	40.00	35.00	35.00	65.00	45.00
1 manhole 6 ft. to 8 ft. deep, inc. 8 ft.	40.00	45.00	59.00	48.00	42.00	35.00	40.00	50.00	45.00	52.00	50.00	44.00	60.00	70.00	60.00
3 lin.ft. manholes depth over 8 ft. (necks)	4.00	3.50	3.80	3.75	8.00	3.00	4.00	5.00	5.00	3.00	3.00	4.00	4.00	11.00	4.00
100 yd. rock excavation	3.00	2.75	3.00	3.20	2.65	2.90	4.00	2.50	3.50	2.75	3.00	3.15	2.50	2.75	3.00
Contingent Extras															
10 yds. concrete not shown on details	6.00	5.75	6.00	6.00	7.00	6.00	5.00	6.00	7.00	7.00	8.00	6.00	5.00	10.00	8.00
23 M. ft. b.m. sheeting and shoring left in	38.00	30.00	35.00	20.00	25.00	40.00	1.00	45.00	5.00	30.00	40.00	40.00	30.00	50.00	35.00
100 ft. b.m. flooring or foundation lumber	35.00	35.00	35.00	40.00	30.00	40.00	30.00	60.00	35.00	30.00	40.00	40.00	30.00	50.00	40.00
500 ft. b.m. forms for concrete	35.00	35.00	35.00	90.00	60.00	50.00	30.00	60.00	35.00	35.00	40.00	40.00	10.00	15.00	30.00
Extended totals	$8297	$8426	$8723	$9082	$9086	$9180	$9503	$9701	$9834	$9910	$10,175	$10,205	$11,711	$12,452	$10,263

DIVISION B	A	B	C	D	E	F	G	H	I	J	L	N	O	P
100 lin.ft. 8-in. vitrified sewer, 6 ft. deep or less	$0.40	$0.56	$0.43	$0.55	$0.62	$0.55	$0.80	$0.55	$0.91	$0.70	$0.60	$0.50	$0.85	$0.70
2200 lin.ft., 6 ft. to 8 ft. deep, inc. 8 ft.	.50	.69	.48	.65	.76	.60	.80	.65	1.01	.82	.69	.60	1.00	.80
1400 lin.ft., 8 ft. to 10 ft. deep inc. 10 ft.	.60	.80	.65	.88	.98	.75	.90	.77	1.10	1.00	.83	.90	1.25	1.00
50 lin.ft., 10 ft. to 12 ft. deep, inc. 12 ft.	.75	1.10	1.20	1.23	1.43	.90	1.00	1.00	1.25	1.25	1.02	1.00	1.50	1.25
250 Ys on 8-in. sewer (over sewer price)	.40	.45	.63	.35	.60	.60	.40	.75	.90	.65	1.12	1.00	.60	.60
12 lin.ft. 8-in. iron pipe sewer (over vitrified price)	.70	.70	.92	.69	1.25	2.75	2.00	2.00	1.35	1.00	3.00	.60	1.25	.60
2 manholes, 6 ft. deep or less	30.00	38.00	50.00	45.00	37.00	30.00	40.00	45.00	40.00	42.00	35.00	50.00	25.00	45.00
8 manholes, 6 ft. to 8 ft. deep, inc. 8 ft.	40.00	45.00	60.00	48.00	42.00	35.00	45.00	50.00	45.00	50.00	44.00	60.00	30.00	60.00
6 ft. manholes, depth over 8 ft. (necks)	4.00	3.50	3.80	3.75	8.00	3.00	4.00	5.00	5.00	2.50	4.00	11.00	2.00	4.00
2 spurs in manholes, 6-in.	3.00	.60	.32	.37	.40	.30	.50	.50	1.50	1.00	.25	.50	1.00	.60
1 sewer drop connection, 8-in.	10.00	7.00	7.88	10.00	6.00	.45	5.00	5.00	25.00	10.00	6.50	7.00	15.00	10.00
1 lamp-hole on 8-in. sewer	8.00	8.00	24.95	8.50	10.00	7.00	15.00	15.00	50.00	12.00	7.50	9.00	20.00	10.00
4 flush-tanks	75.00	80.00	140.00	90.00	90.00	40.00	95.00	110.00	110.00	85.00	190.00	150.00	150.00	85.00
1200 yd. rock excavation	3.00	2.25	3.00	3.20	2.65	2.80	3.00	2.25	3.50	2.50	3.15	2.75	2.65	3.00
Contingent extras														
10 yds. concrete not shown on details	6.00	5.75	6.00	6.00	7.00	6.00	5.00	6.00	7.00	7.00	6.00	10.00	6.00	8.00
5 M ft. b.m. sheeting and shoring left in	38.00	30.00	35.00	20.00	25.00	40.00	1.00	30.00	5.00	20.00	40.00	45.00	18.00	35.00
1000 ft. b.m. flooring or foundation lumber	35.00	35.00	35.00	40.00	30.00	40.00	1.00	60.00	35.00	20.00	40.00	45.00	18.00	40.00
500 ft. b.m. forms for concrete	35.00	35.00	35.00	90.00	60.00	50.00	20.00	60.00	35.00	35.00	40.00	15.00	18.00	30.00
100 yd. earth excavation not included otherwise	.35	.90	.50	1.50	.70	.65	.70	.40	.60	.50	.66	.80	.75	.80
Extended totals	$6791	$6713	$7371	$7985	$7682	$6929	$7875	$6845	$95552	$7631	$8493	$7957	$8646	$8394

WALWORTH RUN DIVERSION SEWER—CLEVELAND, OHIO

Bids were received July 7 by the Commissioner of Purchases and Supplies for the construction of the Walworth Run Diversion Sewer under two contracts, Sections Nos. 1 and 2 from (A) Hoag & Zullo, Cleveland, (B) Donnelly & Graham, Cleveland, (C) Manson Co., Cleveland, (D) Gawne Contracting Co., Cleveland, (E) Dock Contractor Co., Hoboken, N. J., (F) Joseph Winterbottom, Cleveland, (G) J. Connelly Construction Co., Cleveland, (H) W. P. Gibbons Co., Cleveland, (I) Henry C. Ulen, Chicago, Ill., (J) William McDowell & Son Co., Cleveland, (K) Charles A. Haskin, Boston, Mass., (L) J. Wagner & Son, Detroit, Mich. The item bids were as follows:

Section No. 1	A	B	C	D	E	F	G	H	I	J	K	L
4600 lin.ft. 5 ft. 6 in. circular brick sewer complete in place	$24.00	$25.65	$27.80	$29.15	$30.10	$35.00	$30.90	$32.29	$34.00	$34.50	$39.40	$45.00
4600 lin.ft. 6 ft. circular brick sewer complete in place	27.31	28.30	27.80	31.00	.....	35.00	.....	32.29	35.00	33.95	41.30	45.00
4600 lin.ft. 6 ft. 6 in. circular brick sewer complete in place	28.45	28.50	27.80	32.00	.....	30.50	.....	32.29	36.00	34.50	43.50	45.00
4600 lin.ft. 6 ft. 6 in. x 5 ft. 6 in. section brick sewer in place	26.47	29.11	27.80	35.00	.....	35.00	.....	33.29	36.00	34.50	50.00	45.00
1 drop manhole and overflow chamber	4500.00	3500.00	3200.00	3500.00	2000.00	2400.00	5000.00	7000.00	3000.00	6500.00	4500.00	1000.00
Extended totals	$114,900	$121,490	$131,080	$137,590	$140,460	$142,700	$147,140	$155,534	$159,400	$162,670	$185,740	$208,033

Section No. 2	A	B	C	E	F	G	H	I	J	K
3750 lin.ft. 5 ft. 6 in. circular brick sewer complete in place	$25.45	$26.23	$31.50	$30.50	$35.00	$30.90	$37.29	$34.00	$34.50	$39.40
3750 lin.ft. 6 ft. circular brick sewer complete in place	28.56	27.00	31.50	.....	35.00	.....	37.29	35.00	33.95	41.30
3750 lin.ft. 6 ft. 6 in. circular brick sewer complete in place	29.70	28.35	31.50	.....	30.50	.....	37.29	36.00	34.50	43.50
3750 lin.ft. 6 ft. 6 in. x 5 ft. 6 in. section brick sewer in place	27.72	29.11	31.50	.....	35.00	.....	38.29	36.00	34.50	50.00
1 manhole "B"	6000.00	2800.00	3500.00	2000.00	2400.00	5000.00	6000.00	3450.00	6500.00	4500.00
1 manhole "C"	100.00	100.00	250.00	350.00	150.00	1000.00	200.00	850.00	300.00	1000.00
Extended totals	$101,537	$101,262	$121,875	$116,725	$116,925	$121,875	$146,037	$131,800	$134,112	$153,259

SEWER EXTENSIONS—SCARSDALE, N. Y. (continued)

DIVISION C	C	G	H	I	J	L	N	P
1800 lin.ft. 10-in. vitrified sewer, 6 ft. deep or less	$0 77	$0 80	$0 79	$0 50	$1 00	$0 64	$0 75	$0 80
1200 lin.ft., 6 ft. to 8 ft. deep, inc. 8 ft.	96	.90	1 10	.55	1 20	.80	1 00	95
560 lin.ft., 8 ft. to 10 ft. deep, inc. 10 ft.	1 26	1 00	1 50	.60	1 25	1 10	1 10	1 15
350 lin.ft., 10 ft. to 12 ft. deep, inc. 12 ft.	1 49	1 20	2 00	1 00	1 35	1 30	1 50	1 40
300 lin.ft., 12 ft. to 14 ft. deep, inc. 14 ft.	1 70	1 50	2 50	1 10	1 80	1 52	1 65	1 70
200 lin.ft., 14 ft. to 16 ft. deep, inc. 16 ft.	2 40	1 50	3 50	1 25	1 95	1 75	2 00	2 10
200 lin.ft., 16 ft. to 18 ft. deep, inc. 18 ft.	2 95	2 00	4 50	1 50	2 70	2 00	2 10	2 60
150 lin.ft., 18 ft. to 20 ft. deep, inc. 20 ft.	3 70	2 50	5 50	1 75	3 30	2 30	2 60	3 20
250 lin.ft., 20 ft. to 22 ft. deep, inc. 22 ft.	4 40	4 00	7 00	1 90	4 50	3 50	3 00	3 90
250 lin.ft., 22 ft. to 24 ft. deep, inc. 24 ft.	5 30	5 00	9 00	2 50	7 50	5 00	3 50	4 70
100 lin.ft., 24 ft. to 26 ft. deep, inc. 26 ft.	5 75	6 00	9 00	2 75	9 50	6 00	3 75	5 60
60 lin.ft., 26 ft. to 28 ft. deep, inc. 28 ft.	6 50	8 00	9 00	3 00	10 50	6 40	5 00	6 60
10 lin.ft., 28 ft. to 30 ft. deep, inc. 30 ft.	7 70	8 00	9 00	3 50	11 00	7 00	5 50	8 00
600 lin.ft., 8-in. vitrified sewer, 6 ft. deep or less	71	.70	.75	47	70	.60	1 00	70
3500 lin.ft., 6 ft. to 8 ft. deep, inc. 8 ft.	88	.80	1 10	53	82	.69	1 25	80
5000 lin.ft., 8 ft. to 10 ft. deep, inc. 10 ft.	1 19	.90	1 50	.55	95	.83	1 60	1 00
800 lin.ft., 10 ft. to 12 ft. deep, inc. 12 ft.	1 39	1 00	1 25	.75	1 15	1 02	1 75	1 25
250 lin.ft., 12 ft. to 14 ft. deep, inc. 14 ft.	1 60	1 20	2 00	.99	1 50	1 12	2 00	1 60
80 lin.ft., 14 ft. to 16 ft. deep, inc. 16 ft.	2 30	1 50	2 50	1 21	2 00	1 27	2 25	2 00
10 lin.ft., 16 ft. to 18 ft. deep, inc. 18 ft.	2 90	2 00	3 00	1 51	2 40	1 67	2 50	2 50
200 Ys on 10-in. sewer (over sewer price)	47	.60	1 00	.90	70	1 68	.90	80
500 Ys on 8-in. sewer (over sewer price)	35	.50	1 00	70	60	1 12	65	60
60 Y-extensions (over Y price)	1 25	.60	1 25	1 00	1 00	1 88	20	2 00
90 additional 2-ft. pieces, 6-in. pipe	34	.30	.75	.40	.50	.25	.20	.50
72 lin.ft. 10-in. iron pipe sewer (over vitrified price)	92	2 50	3 50	2 00	1 10	3 60	.60	80
24 lin.ft. 8-in. iron pipe sewer (over vitrified price)	69	2 00	2 50	1 75	.90	3 00	.55	60
7 manholes, 6 ft. deep or less	45 00	90 00	50 00	40 00	42 00	35 00	60 00	45 00
41 manholes, 6 ft. to 8 ft. deep, inc. 8 ft.	48 00	100 00	60 00	45 00	50 00	44 00	65 00	60 00
110 lin.ft. manholes depth over 8 ft. (necks)	3 75	4 00	5 00	5 00	2 50	4 00	11 00	4 00
24 lin.ft. manholes depth below 16 ft. (13 in. walls)	6 00	8 00	15 00	7 00	5 00	5 25	15 00	7 00
10 spurs in manholes, 6-in.	.40	.30	1 00	1 00	.50	.25	.50	60
3 sewer drop connections, 8-in.	10 00	5 00	25 00	25 00	12 00	6 50	7 00	10 00
1 lamp-hole on 8-in. sewer	10 00	20 00	15 00	50 00	10 00	7 50	9 00	10 00
8 flush-tanks	90 00	90 00	125 00	100 00	82 00	190 00	160 00	85 00
5000 yds rock excavation	3 10	3 00	3 00	3 00	2 75	3 15	2 70	3 00
Contingent Extras								
80 yd. concrete not shown on details	6 00	6 00	6 00	7 00	7 00	6 00	10 00	8 00
100 M. ft. b.m. sheeting and shoring left in	20 00	1 00	40 00	5 00	35 00	40 00	45 00	35 00
3 M ft. b.m. flooring or foundation lumber	40 00	30 00	60 00	10 00	35 00	40 00	40 00	40 00
1000 ft. b.m. forms for concrete	90 00	30 00	60 00	10 00	35 00	40 00	15 00	30 00
100 yd. earth excavation not included otherwise	2 00	1 00	.40	.60	.50	.68	1 00	.80
50 yd. gravel backfilling	2 50	2 00	1 75	2 00	2 00	2 00	2 00	3 50
100 lin.ft. 6-in. vitrified house sewer 6 ft. deep or less	.80	.60	.40	.35	.60	.48	.50	.50
100 lin.ft., 6 ft. to 8 ft. deep, inc. 8 ft.	.90	.70	.55	.50	.80	.64	.60	.60
100 lin.ft., 8 ft. to 10 ft. deep, inc. 10 ft.	1 00	.80	.75	.60	1 00	.76	1 00	.80
100 lin.ft., 10 ft. to 12 ft. deep, inc. 12 ft.	1 20	1 00	1 50	.70	1 20	.96	1 25	1 05
50 lin.ft., 12 ft. to 14 ft. deep, inc. 14 ft.	1 50	1 00	2 00	.80	1 50	1 10	1 60	1 40
30 yd. rock excavation in house sewer trench	4 00	4 00	3 00	3 25	3 00	3 15	2 75	3 00
Extended totals	$43,589	$40,481	$53,074	$31,964	$43,205	$42,483	$48,924	$43,336

HUNTLEY SEWER SYSTEM NO. 2—SYRACUSE, N. Y.

✚Bids were received July 12 for the construction of the Huntley Sewer System No. 2 from (A) J. C. SCHRADE, Brooklyn (awarded contract, using reinforced concrete); (B) Mondo Construction Co., Syracuse; (C) Bonn & Marnell, Syracuse; (D) Frank George, White Plains; (E) Samuel Bonn, Syracuse; (F) F. S. Sposato, Syracuse; (G) Grant, Smith & Co. & Locher, Rome; (H) Hookway Construction Co., Syracuse; (I) Charles Ippolito, Orange, N. J. The item bids were as follows:

Reinforced concrete	A	B	C	D	E	F	G	H	I
1250 lin.ft. 66-in. storm sewer	$9.25	$7.90	$7.55	$6.99	$7.25	$6.75	$7.86	$9.00	$11.80
640 lin.ft. 60-in. storm sewer	7.15	7.00	6.07	5.90	5.90	5.65	6.26	7.50	10.29
660 lin.ft. 45-in. storm sewer	4.60	5.50	4.41	4.17	4.65	4.25	4.57	5.50	8.03
860 lin.ft. 42-in. storm sewer	4.15	5.20	4.12	3.84	4.25	4.10	3.83	5.50	7.62
920 lin.ft. 36-in. storm sewer	3.85	4.50	3.71	3.71	3.80	4.85	3.34	4.75	6.22
1600 lin.ft. 33-in. storm sewer	2.95	3.25	2.95	2.89	2.80	3.00	2.93	3.75	6.11
2930 lin.ft. 27-in. storm sewer	2.65	2.60	2.55	2.45	2.35	2.40	2.59	3.00	5.38
Brick									
1250 lin.ft. 66-in. storm sewer	16.75			11.92		10.95	12.94		21.81
640 lin.ft. 60-in. storm sewer	14.75			10.51		10.00	11.54		19.72
660 lin.ft. 45-in. storm sewer	10.00			5.49		5.75	8.93		13.18
860 lin.ft. 42-in. storm sewer	9.00			5.30		5.62	7.62		13.00
920 lin.ft. 36-in. storm sewer	8.90			5.11		6.02	6.40		11.16
1600 lin.ft. 33-in. storm sewer	7.50			4.29		4.55	5.72		10.89
2930 lin.ft. 27-in. vitrified pipe storm sewer	3.00			2.83		2.40	3.73		5.70
Monolithic concrete									
1250 lin.ft. 66-in. vitrified pipe storm sewer	11.75			9.86		9.63	11.22		15.94
640 lin.ft. 60-in. vitrified pipe storm sewer	9.65			8.53		8.50	8.88		13.09
660 lin.ft. 45-in. vitrified pipe storm sewer	7.10			5.46		5.59	5.59		11.39
860 lin.ft. 42-in. vitrified pipe storm sewer	6.85			5.19		5.22	4.68		11.87
920 lin.ft. 36-in. vitrified pipe storm sewer	5.75			4.63		5.45	3.92		9.73
1600 lin.ft. 33-in. vitrified pipe storm sewer	5.40			3.66		3.90	3.80		10.11
2930 lin.ft. 27-in. vitrified pipe storm sewer	5.25			3.12		3.07	3.24		8.58
Vitrified pipe									
1080 lin.ft. 24-in. storm sewer	1.65	1.25	1.74	2.01	1.55	2.50	2.27	1.90	3.93
590 lin.ft. 22-in. storm sewer	1.60	1.10	1.74	1.86	1.50	2.45	2.23	1.90	3.53
1680 lin.ft. 20-in. storm sewer	1.35	1.00	1.40	1.60	1.25	2.00	2.00	1.50	3.35
1020 lin.ft. 18-in. storm sewer	1.10	1.00	1.25	1.36	1.10	1.50	1.60	1.40	3.22
2380 lin.ft. 15-in. storm sewer	.95	.85	1.09	1.25	1.00	1.20	1.45	1.10	2.84
4460 lin.ft. 12-in. storm sewer	.40	.60	.87	.84	.75	.95	1.02	.80	2.12
80 lin.ft. 24-in. sanitary sewer	3.35	1.50	2.01	2.38	3.27	3.00	3.54	4.00	1.59
820 lin.ft. 22-in. sanitary sewer	3.20	1.40	1.92	2.14	2.40	2.00	1.52	2.50	1.52
120 lin.ft. 20-in. sanitary sewer	2.75	1.40	1.98	2.55	3.29	3.50	1.30	3.00	1.34
950 lin.ft. 18-in. sanitary sewer	1.80	1.25	1.48	1.35	1.60	1.95	1.20	1.75	1.22
5750 lin.ft. 12-in. sanitary sewer	.90	1.00	1.05	1.15	1.10	1.20	.78	1.00	.70
6450 lin.ft. 10-in. sanitary sewer	.55	.60	.93	1.10	.99	1.10	.56	.95	.65
5880 lin.ft. 8-in. sanitary sewer	.45	.55	.93	.85	.90	.90	.67	.85	.55
12,100 lin.ft. 6-in. sanitary laterals	.40	.40	.50	.40	.39	.50	.61	.45	.50
1700 lin.ft. 10-in. storm laterals	.50	.60	.50	.59	.60	.75	.78	.65	.50
39 line manholes, 3x4 ft.	40.00	55.00	40.00	37.50	45.00	50.00	62.10	38.00	38.00
8 line manholes, 4x4 ft.	45.00	60.00	55.00	58.25	65.00	53.00	71.20	45.00	45.00
6 line manholes, Type "L"	60.00	160.00	80.00	71.50	55.00	60.00	85.00	70.00	50.00
25 double line manholes	75.00	150.00	60.00	72.00	90.00	80.00	166.00	70.00	60.00
3 junction manholes	60.00	60.00	60.00	58.75	75.00	55.00	97.00	70.00	70.00
17 double junction manholes, Type "O"	140.00	150.00	85.00	88.00	255.00	110.00	135.00	120.00	100.00
9 double junction manholes, Type "D"	175.00	150.00	125.00	137.00	85.00	95.00	170.00	125.00	100.00
2 double drop junction manholes	200.00	200.00	155.00	180.00	110.00	90.00	220.00	140.00	100.00
1 special manhole No. 8	330.00	200.00	160.00	300.00	525.00	140.00	500.00	120.00	150.00
6 large catch basins	40.00	60.00	35.00	55.00	37.00	40.00	54.00	40.00	40.00
75 small catch basins	25.00	23.00	25.00	25.00	25.00	30.00	41.50	30.00	32.00
1 connection existing sewer	500.00	5.00	25.00	15.00	35.00	30.00	25.00	100.00	50.00
2 connection existing manholes	50.00	5.00	5.00	5.00	5.00	10.00	25.00	20.00	50.00
5 cu.yd. brick or concrete piers	15.00	8.00	5.00	7.50	15.00	9.00	13.20	8.00	18.00
Extended totals reinforced concrete sewer	$82,731	$84,305	$85,305	$85,921	$86,957	$92,100	$92,165	$95,152	$126,743
Extended totals brick sewer	$117,657			$101,802		$105,988	$118,651		$166,335
Extended totals monolithic concrete sewer	$104,714			$97,245		$103,327	$103,276		$158,476

Contracts to Be Let

Bids received until July 26, 1915.

Highway Work

Albany, N. Y.

State of New York, Office of the State Commission of Highways, Albany, N. Y.—Pursuant to the provisions of Chapter 30, Laws of 1909, as amended by Chapter 646, Laws of 1911, and Chapter 80, laws of 1913, sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m. on Monday, July 26th, 1915, for the construction of the following highways:

Road No.	County	Name of Road	Approx. length
5498	Orange	Cornwall-West Point, Parts 1 and 2	4.03
5573	Orange	Cornwall-West Point, Part 3	1.27

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of Division Engineer Bertrand H. Wait, Columbus Institute, 11 Washington Street, Poughkeepsie, N. Y.

The especial attention of bidders is called to "Information for Bidders" in the itemized proposal, specifications and contract agreement.

Proposals for each contract must be presented in a separate sealed envelope endorsed on the outside with the number of the road for which the proposal is made. Each proposal must be accompanied by a draft or certified check issued by a National or State bank in good credit within the State and payable at sight to the order of the State Commission of Highways for an amount equal to at least five per cent. of the amount of the proposal which such draft or check accompanies.

This draft or check will be held by the Commission until the contract and bond are duly executed.

The successful bidder will be required to give a bond for fifty per cent. of the amount of the contract, such bond to be executed by a surety company to be approved by the Commission, or a bond secured by the deposit of collateral securities to be approved by the Commission.

The right is reserved to reject any or all bids.

EDWIN DUFFEY, Commissioner.

I. J. MORRIS, Secretary.

Bids received until Aug. 7, 1915.

Stratford Avenue Bridge and Approaches

Bridgeport, Connecticut.

Sealed proposals addressed to the Stratford Avenue Bridge Commission, Bridgeport, Conn., will be received at the office of the Board of Contracts and Supplies, City Hall, Bridgeport, Conn., until twelve o'clock noon on the seventh day of August, 1915, and at that time will be publicly opened and read. The work involved includes the construction of a reinforced-concrete girder bridge, with a double leaf bascule channel span and all substructures and approaches. The bridge will have a roadway 54 ft. clear of the curbs, two sidewalks 13 ft. wide, length of bridge from abutment to abutment being 499 ft.

Complete data, plans, specifications, etc., can be seen after July 15 in the office of the Board of Contracts and Supplies, City Hall, Bridgeport, Conn., and in the office of the Consulting Engineers, Greiner & Whitman, Fidelity Building, Baltimore, Md. Contractors can obtain complete sets for $5.00 per set upon application to the Consulting Engineers, the sets thus secured to remain the property of the purchaser without refund.

A certified check for ten thousand dollars must accompany each bid. Contractors will be required to furnish satisfactory evidence of their experience in doing similar work and their ability to finance the work, and the successful contractor will be required to furnish a bond to the full amount of the contract price. The Commission reserves the right to reject any or all proposals, or parts of proposals, or make the award for the entire work or such portion thereof as may be considered best for the interests of the city.

Bids received until Aug. 31, 1915.

Passaic Valley Sewerage Commissioners

SUPERSTRUCTURE FOR NEWARK BAY PUMPING STATION

NOTICE TO CONTRACTORS.

Notice is hereby given that the Passaic Valley Sewerage Commissioners have designated Tuesday, the thirty-first day of August, nineteen hundred and fifteen, at two o'clock in the afternoon, as the time when they will meet at their usual place of meeting, Essex Building, Clinton Street, Newark, New Jersey, to receive proposals, in writing, for the construction of Superstructure and appurtenances for Newark Bay Pumping Station, the said work being Part of Section 5, of the Passaic Valley Sewerage Works.

Particulars that may enable Contractors to judge of the character of the work are given below:

The work to be done consists of the construction and completion of the Superstructure of Newark Bay Pumping Station and all appurtenances, comprising, in part, of Engine-Room, Screen-House, Administration Building, Boiler-House, Coal-House, Chimney, and including Crane runways, Economizer support, steel water storage tank, and all plumbing, electric light wiring and fixtures, water-supply piping, electric conduits, interior and exterior decorations and all appurtenant work.

A certified check for two thousand ($2000.00) dollars (drawn on a National Bank or Trust Company, established in the City of New York, or in the State of New Jersey, within Passaic Valley Sewerage District), must accompany the bid. A bond in the sum of thirty thousand ($30,000.00) dollars will be required for the further performance of the contract.

Drawings, form of contract and specifications, and blank form for proposal, may be obtained at the Commissioners' office from William M. Brown, Chief Engineer.

The Commissioners reserve the right to reject any or all bids.

PASSAIC VALLEY SEWERAGE COMMISSIONERS.
JOSEPH H. QUIGG, Clerk.
July 13, 1915.

Bids received until Aug. 3, 1915.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS.

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m. on Tuesday, the 3rd day of August, 1915, for the repair of highways in the following counties:

Broome (one contract—resurfacing); Chemung (one contract—resurfacing); Chenango (one contract—resurfacing); Clinton (one contract—resurfacing); Columbia (one contract—surface treatment and resurfacing); Dutchess (two contracts—surface treatment and resurfacing); Erie (one contract—resurfacing); Herkimer (one contract—surface treatment); Monroe (one contract—resurfacing); Montgomery (one contract—surface treatment); Otsego (one contract—resurfacing); Putnam (one contract—surface treatment and resurfacing); St. Lawrence (three contracts—surface treatment and resurfacing); Schoharie (one contract—retaining walls); Steuben (one contract—resurfacing); Sullivan (one contract—resurfacing); Tompkins (one contract—surface treatment); Warren (one contract—surface treatment); Westchester (two contracts—surface treatment and resurfacing).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the contracts are to be repaired. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is called to "Information for Bidders" in the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.

I. J. MORRIS, Secretary.